MAYTAG®

Series Ten

GAS WATER HEATER USER'S GUIDE

FOR POTABLE WATER HEATING ONLY

NOT SUITABLE FOR SPACE HEATING

NOT FOR USE IN MANUFACTURED (MOBILE) HOMES

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

— Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

— WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

— Installation and service must be performed by a qualified installer, service agency or the gas supplier.

Model Number

HRX75XQRS **HRX75CQRS**

For Your Safety

AN ODORANT IS ADDED TO THE GAS USED BY THIS WATER HEATER.

⚠WARNING

Read and understand instruction manual and safety messages before installing, operating or servicing this water heater.

Failure to follow instructions and safety messages could result in death or serious injury.

Instruction manual must remain with water heater.

SAFE INSTALLATION, USE AND SERVICE

Your safety and the safety of others is extremely important in the installation, use and servicing of this water heater.

Many safety-related messages and instructions have been provided in this manual and on your own water heater to warn you and others of a potential injury hazard. Read and obey all safety messages and instructions throughout this manual. It is very important that the meaning of each safety message is understood by you and others who install, use or service this water heater.

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER	**DANGER indicates an imminently hazardous situation which, if not avoided, could result in death or injury.**
WARNING	**WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or injury.**
CAUTION	**CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.**
CAUTION	**CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, could result in property damage.**

All safety messages will generally tell you about the type of hazard, what can happen if you do not follow the safety message and how to avoid the risk of injury.

IMPORTANT DEFINITIONS

- **Maytag Customer Service Center:** The Maytag Customer Service Center has the equivalent to a licensed tradesman in the fields of plumbing, air supply, venting and gas supply, including a thorough understanding of the requirements of the National Fuel Gas Code as it relates to the installation of gas fired water heaters. The Service Center also has a thorough understanding of this instruction manual, and is able to perform repairs strictly in accordance with the service guidelines provided by the manufacturer.

- **Gas Supplier:** The natural gas or propane utility or service which supplies gas for utilization by the gas burning appliances within this application. The gas supplier typically has responsibility for the inspection and code approval of gas piping up to and including the natural gas meter or propane storage tank of a building. Many gas suppliers also offer service and inspection of appliances within the building.

SAFETY PRECAUTIONS

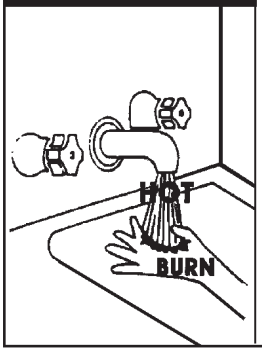
⚠ WARNING

Read and understand instruction manual and safety messages before installing, operating or servicing this water heater.

Failure to follow instructions and safety messages could result in death or serious injury.

Instruction manual must remain with water heater.

⚠ DANGER



Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.

Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.

Feel water before bathing or showering.

Temperature limiting valves are available.

Read instruction manual for safe temperature setting.

⚠ WARNING

Fire or Explosion Hazard

- Avoid all ignition sources if you smell gas.
- Do not expose water heater control to excessive gas pressure.
- Use only gas shown on rating plate.
- Maintain required clearances to combustibles.
- Keep ignition sources away from faucets after extended period of non-use.

Read instruction manual before installing, using or servicing water heater.

⚠ DANGER

Fire or Explosion Hazard

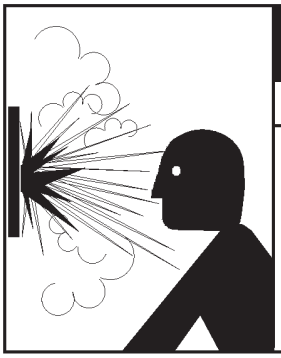
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

⚠ WARNING

Fire Hazard

For continued protection against risk of fire:

- Do not install water heater on carpeted floor.
- Do not operate water heater if flood damaged.



⚠ WARNING

Explosion Hazard

- Overheated water can cause water tank explosion.
- Properly sized temperature and pressure relief valve must be installed in opening provided.

⚠ WARNING

Breathing Hazard - Carbon Monoxide Gas

- Install vent system in accordance with codes.
- Do not operate water heater if flood damaged.
- High altitude orifice must be installed if a standard model is installed above 2,000 ft.(610 m) or a high altitude model is installed above 4,500 ft. (1,370 m).
- Do not operate if soot buildup.
- Do not obstruct water heater air intake with insulating jacket.
- Do not place chemical vapor emitting products near water heater.
- Gas and carbon monoxide detectors are available.

Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

CAUTION

Improper installation and use may result in property damage.

- Do not operate water heater if flood damaged.
- Inspect and replace anode.
- Install in location with drainage.
- Fill tank with water before operation.
- Be alert for thermal expansion.

Refer to instruction manual for installation and service.

TABLE OF CONTENTS

SAFE INSTALLATION, USE AND SERVICE 2
SAFETY PRECAUTIONS 3
TABLE OF CONTENTS 4
CUSTOMER RESPONSIBILITIES 5
PRODUCT SPECIFICATIONS 5
ACCESSORIES AND TOOLS NEEDED 6
- Accessories 6
- Tools 6

PREPARATIONS FOR INSTALLATION 7
- Removing the Old Water Heater 7

TYPICAL INSTALLATION 8,9
- Get to Know Your Water Heater 8
- Mixing Valve Usage 9

LOCATING AND INSTALLING THE NEW HEATER 10-18
- Facts to Consider About the Location 10,11
- Insulation Blankets 11,12
- Combustion Air and Ventilation for Appliances Located in Unconfined Spaces 12
- Combustion Air and Ventilation for Appliances Located in Confined Spaces 12,13
- Water Piping 13,14
- Temperature Pressure Relief Valve 14,15
- Filling the Water Heater 15,16
- Venting 16,17
- Gas Piping 17,18
- Sediment Traps 18

OPERATING INSTRUCTIONS 19-21
- Lighting & Operating Label 19,20
- Temperature Regulation 21

SERVICE AND MAINTENANCE 22-24
- Tank (Sediment) Cleaning 22
- Vent System Inspection 22
- Burner Inspection 22
- Burner Cleaning 22,23
- Housekeeping 23
- Anode Rod Inspection 23
- Temperature-Pressure Relief Valve Operation 23
- Draining 23,24
- Drain Valve Washer Replacement 24
- Service 24

TROUBLESHOOTING 24-26
- Start Up Conditions 24,25
  - Draft Hood Operation 24
  - Condensation 24,25
  - Smoke / Odor 25
  - Thermal Expansion 25
  - Strange Sounds 25
- Operational Conditions 25,26
  - Smelly Water 25
  - “AIR” In Hot Water Faucets 25
  - High Temperature Shut Off System 25,26
- Leakage Checkpoints 26

TROUBLESHOOTING GUIDE 27
REPAIR PARTS LIST 28
NOTES 29-31
WARRANTY 32

CUSTOMER RESPONSIBILITIES

Thank You for purchasing a Maytag water heater. Properly installed and maintained, it should give you years of trouble free service. It is strongly suggested that this new water heater be professionally installed, **contact Maytag Customer Service at 1-800-788-8899 for recommended installers.**

Abbreviations Found In This Instruction Manual:

- CSA - Canadian Standards Association
- UL - Underwriters Laboratories, Inc.
- ANSI - American National Standards Institute
- NFPA - National Fire Protection Association
- ASME - American Society of Mechanical Engineers
- GAMA - Gas Appliance Manufacturers Association
- EPACT - Energy Policy Act
- CAN - Canada

This gas-fired water heater is design certified by Underwriters Laboratories, Inc. under American National Standard/CSA Standard for Gas Water Heaters ANSI Z21.10.3 • CSA 4.3 (current edition).

- Read the "Safety Precautions" section, page 3 of this manual first and then the entire manual carefully. If you don't follow the safety rules, the water heater will not operate properly. It could cause DEATH, SERIOUS BODILY INJURY AND/OR PROPERTY DAMAGE.

  This manual contains instructions for the installation, operation, and maintenance of the gas-fired water heater. It also contains warnings through out the manual that you must read and be aware of. All warnings and all instructions are essential to the proper operation of the water heater and your safety. Since we cannot put everything on the first few pages, **READ THE ENTIRE MANUAL BEFORE ATTEMPTING TO INSTALL OR OPERATE THE WATER HEATER.**

- The installation must conform with these instructions and the local code authority having jurisdiction. In the absence of local codes, installations shall comply with the National Fuel Gas Code ANSI Z223.1/NFPA 54. This publication is available from CSA International, 8501 East Pleasant Valley Rd, Cleveland Ohio 44131, or The National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269.

- If after reading this manual you have any questions or do not understand any portion of the instructions, **call Maytag Customer Service at 1-800-788-8899 for an authorized servicer.**

- Carefully plan the place where you are going to put the water heater. Correct combustion, vent action, and vent pipe installation are very important in preventing death from possible carbon monoxide poisoning and fires, see Figures 9 through 14.

  Examine the location to ensure the water heater complies with the *Locating and Installing the New Water Heater* section in this manual.

- For California installation this water heater must be braced, anchored, or strapped to avoid falling or moving during an earthquake. See instructions for correct installation procedures. Instructions may be obtained from your local dealer, wholesaler, public utilities or California Office of the State Architect, 400 P Street, Sacramento, CA 95814.

- Massachusetts Code requires this water heater to be installed in accordance with Massachusetts 248-CMR 2.00: State Plumbing Code and 248-CMR 5.00.

- Complies with SCAQMD rule #1146.2 and districts having equivalent NOx requirements.

PRODUCT SPECIFICATIONS

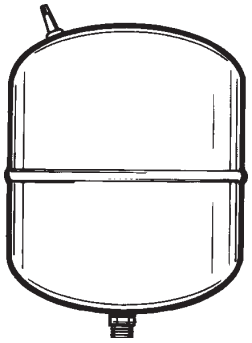
MODEL NUMBER	TANK CAPACITY IN GALS (LTRS)	TYPE OF GAS	BTU RATE	RECOVERY RATE GALS. PER HOUR @ 90°F RISE	MINIMUM VENT PIPE INCHES (mm)	DIAMETER INCHES (mm)	DIMENSIONS IN INCHES (mm) HEIGHT TOP OF DRAFT HOOD
HRX75XQRS	75 (284)	NATURAL	75,100	81.0	4" (102)	26 3/8" (670)	61 1/8" (1,553)
HRX75CQRS	75 (284)	PROPANE	75,100	81.0	4" (102)	26 3/8" (670)	61 1/8" (1,553)

* Adding suffix "D" denotes high altitude (example: HRX75XQRSD). High altitude models have derated BTU and Recovery Rates.

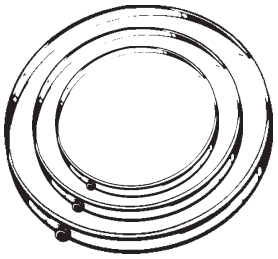
ACCESSORIES AND TOOLS NEEDED

Accessories

To simplify the installation Maytag has available the installation parts shown below. You may or may not need all of these accessories depending on your type of installation. **Call Maytag Customer Service at 1-800-788-8899 for an authorized installer.**



EXPANSION TANKS FOR THERMAL EXPANSION CONDITIONS AVAILABLE IN 2 GALLON (7.6 LITERS), Part No. 66001013 AND 5 GALLON (18.9 LITERS), Part No. 66001014 CAPACITY.

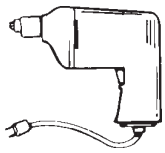


DRAIN PANS AVAILABLE IN 22" (559 mm) DIAMETER (PART NO. 66001011) FOR WATER HEATERS HAVING A DIAMETER 20" (508 mm) OR LESS, 24" (610mm) DIAMETER (PART NO. 66001105) FOR WATER HEATERS HAVING A DIAMETER 22" (559 mm) OR LESS AND 28" (711 mm) DIAMETER (PART NO. 66001012) FOR WATER HEATERS HAVING A DIAMETER 26" (660 mm) OR LESS.

Tools

You may or may not need all these tools, depending on your type of installation. These tools can be purchased at your local hardware store.

- **Pipe Wrenches (2) 14" (356 mm)**
- **Screwdriver**
- **Tin Snips**
- **6' (1.82 m) Tape or Folding Ruler**
- **Garden Hose**
- **Drill**
- **Pipe Dope or Teflon Tape**



DRILL

SLOT-HEAD SCREWDRIVER

PHILLIPS SCREWDRIVER

TIN SNIPS

ROLL OF TEFLON TAPE (USE ONLY ON WATER HEATER CONNECTIONS)

PIPE DOPE (SQUEEZE TUBE) USE FOR WATER AND GAS CONNECTIONS

GARDEN HOSE

6 FOOT TAPE

PIPE WRENCH

Additional Tools Needed When Sweat Soldering

- **Tubing Cutters or Hacksaw**
- **Propane Tank**
- **Soft Solder**
- **Solder Flux**
- **Emery Cloth**
- **Wire Brushes**

TUBING CUTTER

PROPANE TORCH

HACKSAW

ROLL OF EMERY CLOTH

3/4" (19 mm) WIRE BRUSH

1/2" (13 mm) WIRE BRUSH

ROLL OF LEAD-FREE SOFT SOLDER

SOLDER FLUX

PREPARATIONS FOR INSTALLATION

Removing the Old Water Heater

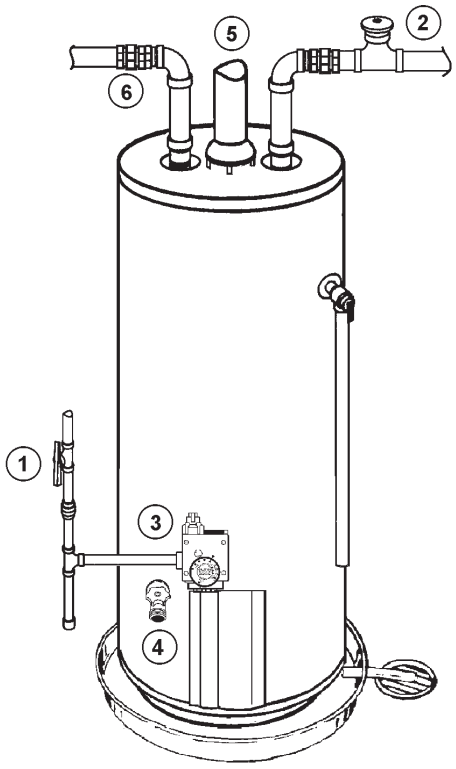


FIGURE 1.

1. Turn “OFF” the gas supply to the water heater.

   If the main gas line Shut-off valve serving all gas appliances is used, also shut “OFF” the gas at each appliance. Leave all gas appliances shut “OFF” until the water heater installation is completed, see Figures 1 and 2.

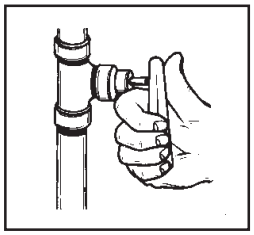


FIGURE 2.

2. Turn “OFF” the water supply to the water heater at the water shut-off valve or water meter. Some installations require that the water be turned off to the entire house, see Figures 1 and 3.

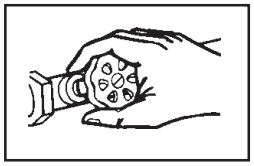
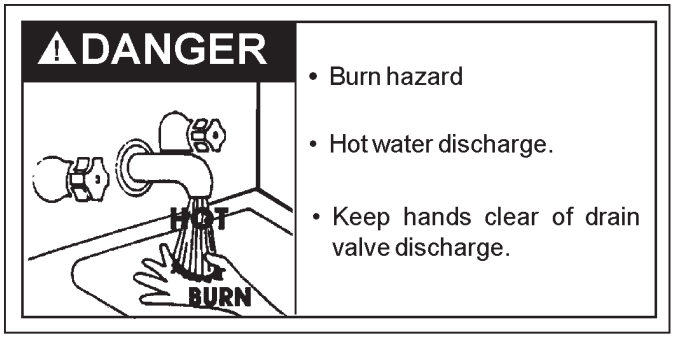


FIGURE 3.

3. Check again to make sure the gas supply is “OFF” to the water heater. Then disconnect the gas supply connection from the gas control valve.



4. Attach a hose to the water heater drain valve and put the other end in a floor drain or outdoors. Open the water heater drain valve. Open a nearby hot water faucet which will relieve pressure in the water heater and speed draining. The water passing out of the drain valve may be extremely hot. To avoid being scalded, make sure all connections are tight and that the water flow is directed away from any person, see Figures 1 and 4.

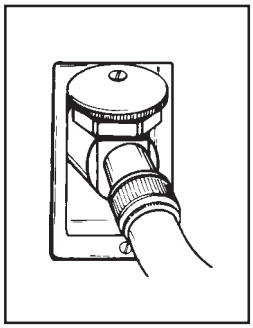


FIGURE 4.

5. Disconnect the vent pipe from the draft hood where they connect to the water heater. In most installations the vent pipe can be lifted off after any screw or other attached devices are removed. Dispose of the draft hood. The new water heater has the draft hood which must be used for proper operation.

6. If you have copper piping to the water heater, the two copper water pipes can be cut with a hacksaw approximately four inches away from where they connect to the water heater. This will avoid cutting off pipes too short. Additional cuts can be made later if necessary. Disconnect the temperature-pressure relief valve drain line. When the water heater is drained, disconnect the hose from the drain valve. Close the drain valve. The water heater is now completely disconnected and ready to be removed, see Figure 5.

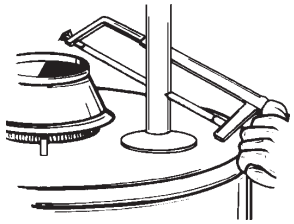


FIGURE 5.

If you have galvanized pipe to the water heater, loosen the two galvanized pipes with a pipe wrench at the union in each line. Also disconnect the piping remaining to the water heater. These pieces should be saved since they may be needed when reconnecting the new water heater. Disconnect the temperature-pressure relief valve drain line. When the water heater is drained, disconnect the hose from the drain valve. Close the drain valve. The water heater is now completely disconnected and ready to be removed. Mineral buildup or sediment may have accumulated in the old water heater. This causes the water heater to be much heavier than normal and this residue, if spilled out, could cause staining, see Figure 6.

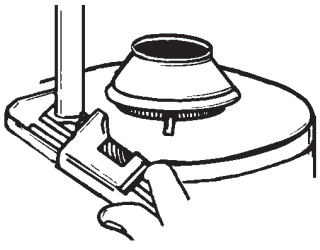
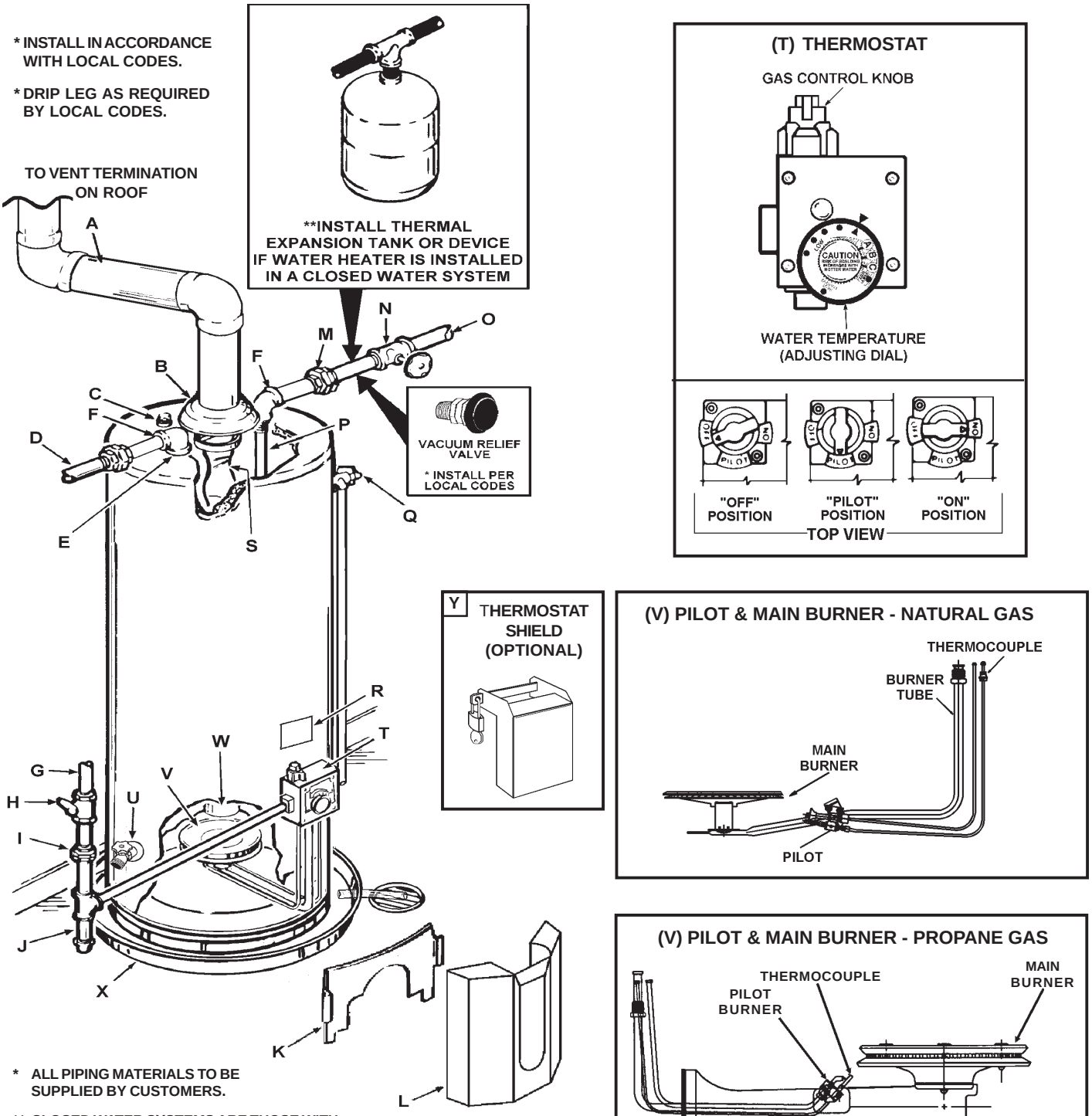


FIGURE 6.

TYPICAL INSTALLATION

GET TO KNOW YOUR WATER HEATER - GAS MODELS

- A Vent Pipe
- B Draft Hood
- C Anode
- D Hot Water Outlet
- E Outlet
- F Water Connections
- G Gas Supply
- H Manual Gas Shut-off Valve
- I Ground Joint Union
- J Drip Leg (Sediment Trap)
- K Inner Door
- L Outer door
- M Union
- N Inlet Water Shut-off Valve
- O Cold Water Inlet
- P Inlet Dip Tube
- Q Temperature-Pressure Relief Valve
- R Rating Plate
- S Flue Baffle(s)
- T Thermostat
- U Drain Valve
- V Pilot and Main Burner
- W Flue
- X Drain Pan
- Y Thermostat Shield (optional)


* INSTALL IN ACCORDANCE WITH LOCAL CODES.
* DRIP LEG AS REQUIRED BY LOCAL CODES.
TO VENT TERMINATION ON ROOF
**INSTALL THERMAL EXPANSION TANK OR DEVICE IF WATER HEATER IS INSTALLED IN A CLOSED WATER SYSTEM
VACUUM RELIEF VALVE
* INSTALL PER LOCAL CODES
(T) THERMOSTAT
GAS CONTROL KNOB
WATER TEMPERATURE (ADJUSTING DIAL)
"OFF" POSITION
"PILOT" POSITION
"ON" POSITION
TOP VIEW
Y THERMOSTAT SHIELD (OPTIONAL)
(V) PILOT & MAIN BURNER - NATURAL GAS
THERMOCOUPLE
BURNER TUBE
MAIN BURNER
PILOT
(V) PILOT & MAIN BURNER - PROPANE GAS
THERMOCOUPLE
PILOT BURNER
MAIN BURNER

* ALL PIPING MATERIALS TO BE SUPPLIED BY CUSTOMERS.

** CLOSED WATER SYSTEMS ARE THOSE WITH BACK FLOW PREVENTION DEVICES INSTALLED IN THE INLET WATER SERVICE LINE.

FIGURE 7.

TYPICAL INSTALLATION

MIXING VALVE USAGE

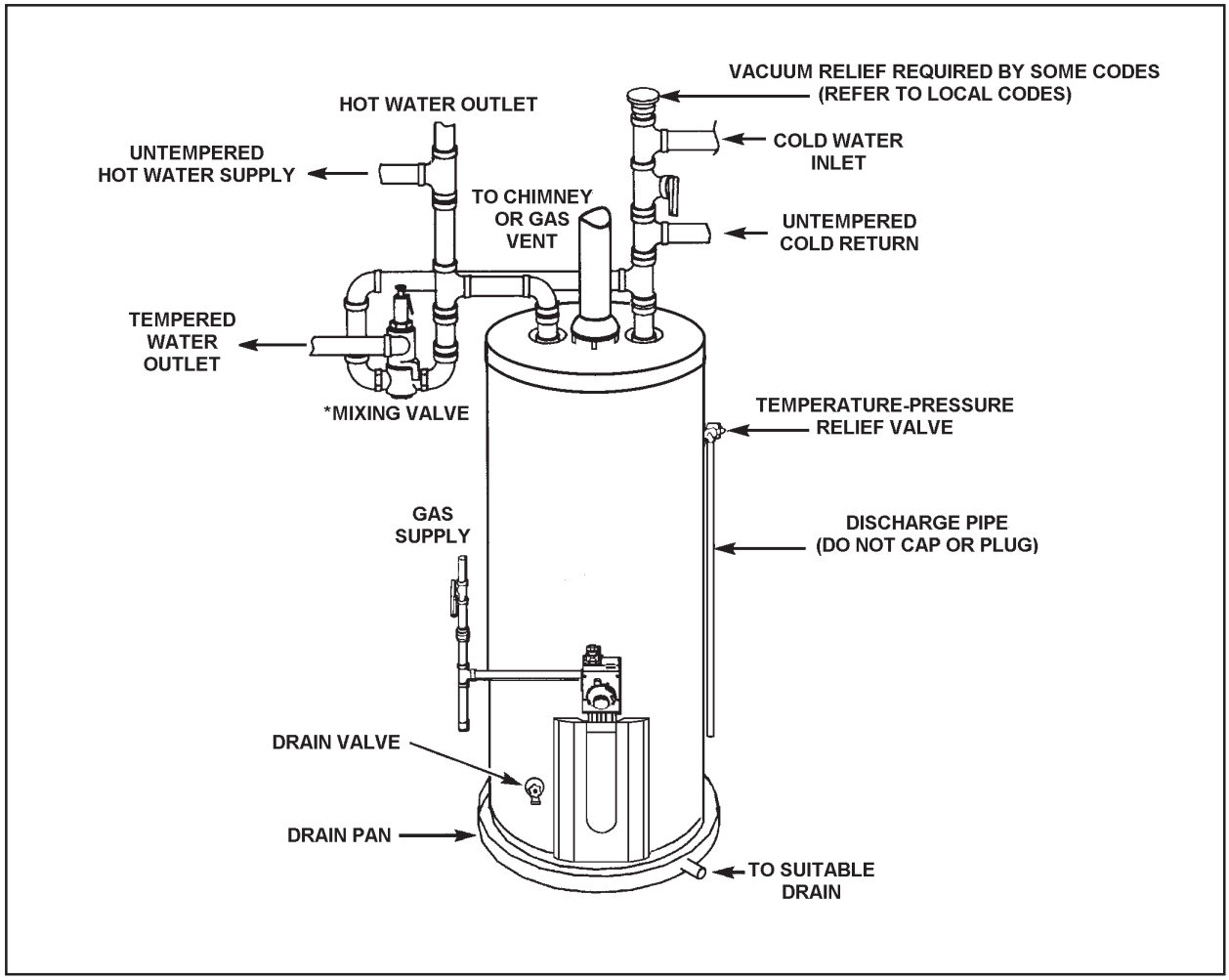
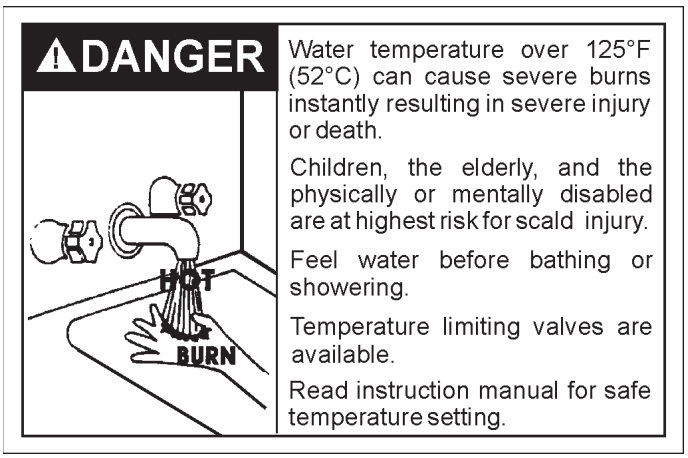


FIGURE 8.

This appliance has been design certified as complying with American National Standard/CSA Standard for water heaters and is considered suitable for:

Water (Potable) Heating: All models are considered suitable for water (potable) heating.


DANGER
Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.
Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.
Feel water before bathing or showering.
Temperature limiting valves are available.
Read instruction manual for safe temperature setting.
HOT
BURN

HOTTER WATER CAN SCALD:

Water heaters are intended to produce hot water. Water heated to a temperature which will satisfy clothes washing, dish washing, and other sanitizing needs can scald and permanently injure you upon contact. Some people are more likely to be permanently injured by hot water than others. These include the elderly, children, the infirm, or physically/mentally handicapped. If anyone using hot water in your home fits into one of these groups or if there is a local code or state law requiring a certain temperature water at the hot water tap, then you must take special precautions. In addition to using the lowest possible temperature setting that satisfies your hot water needs, a means such as a *Mixing Valve, shall be used at the hot water taps used by these people or at the water heater. Mixing valves are available at a plumbing supply distributor, see Figure 8. Valves for reducing point of use, temperature by mixing cold and hot water are also available. **Consult Maytag Customer Service at 1-800-788-8899**. Follow mixing valve manufacturer's instructions for installation of the valves. Before changing the factory setting on the thermostat, read the "Temperature Regulation" section in this manual, see Figures 22 and 23 on page 21.

LOCATING AND INSTALLING THE NEW WATER HEATER

Facts to Consider About the Location

Carefully choose an indoor location for the new water heater, because the placement is a very important consideration for the safety of the occupants in the building and for the most economical use of the appliance. **This water heater is not for use in manufactured (mobile) homes or outdoor installation.**

Whether replacing an old water heater or putting the water heater in a new location, the following critical points must be observed:

- Select a location indoors as close as practical to the gas vent or chimney to which the water heater vent is going to be connected, and as centralized with the water piping system as possible.

- Selected location must provide adequate clearances for servicing and proper operation of the water heater.

CAUTION

Property Damage Hazard

- All water heaters eventually leak
- Do not install without adequate drainage.

Installation of the water heater must be accomplished in such a manner that if the tank or any connections should leak, the flow will not cause damage to the structure. For this reason, it is not advisable to install the water heater in an attic or upper floor. When such locations cannot be avoided, a suitable drain pan should be installed under the water heater. Drain pans are available at your local distributor. Such a drain pan must have a minimum length and width of at least 2 inches (51 mm) greater than the water heater dimensions and must be piped to an adequate drain. The pan must not restrict combustion air flow.

Water heater life depends upon water quality, water pressure and the environment in which the water heater is installed. Water heaters are sometimes installed in locations where leakage may result in property damage, even with the use of a drain pan piped to a drain. However, unanticipated damage can be reduced or prevented by a leak detector or water shut-off device used in conjunction with a piped drain pan. These devices are available from some plumbing supply wholesalers and retailers, and detect and react to leakage in various ways:

- Sensors mounted in the drain pan that trigger an alarm or turn off the incoming water to the water heater when leakage is detected.

- Sensors mounted in the drain pan that turn off the water supply to the entire home when water is detected in the drain pan.

- Water supply shut-off devices that activate based on the water pressure differential between the cold water and hot water pipes connected to the water heater.

- Devices that will turn off the gas supply to a gas water heater while at the same time shutting off its water supply.

⚠ WARNING

Fire or Explosion Hazard

- Avoid all ignition sources if you smell gas.
- Do not expose water heater control to excessive gas pressure.
- Use only gas shown on rating plate.
- Maintain required clearances to combustibles.
- Keep ignition sources away from faucets after extended period of non-use.

Read instruction manual before installing, using or servicing water heater.

⚠ DANGER

Fire or Explosion Hazard

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

INSTALLATIONS IN AREAS WHERE FLAMMABLE LIQUIDS (VAPORS) ARE LIKELY TO BE PRESENT OR STORED (GARAGES, STORAGE AND UTILITY AREAS, ETC.): Flammable liquids (such as gasoline, solvents, propane [LP or butane, etc.] and other substances such as adhesives, etc.) emit flammable vapors which can be ignited by a gas water heater's pilot light or main burner. The resulting flashback and fire can cause death or serious burns to anyone in the area, as well as property damage. If installation in such areas is your only option, then installation must be accomplished in a way that the pilot flame and main burner flame are elevated from the floor at least 18 inches. While this may reduce the chances of flammable vapors, from a floor spill being ignited, gasoline and other flammable substances should never be stored or used in the same room or area containing a gas water heater or other open flame or spark producing appliance. NOTE: Flammable vapors may be drawn by air currents from other areas of the structure to the appliance.

Also, the water heater must be located and/or protected so it is not subject to physical damage by a moving vehicle.

WARNING
Fire Hazard
For continued protection against risk of fire:
• Do not install water heater on carpeted floor.
• Do not operate water heater if flood damaged.

This water heater must not be installed directly on carpeting. Carpeting must be protected by metal or wood panel beneath the appliance extending beyond the full width and depth of the appliance by at least 3 inches (76.2 mm) in any direction, or if the appliance is installed in an alcove or closet, the entire floor must be covered by the panel. Failure to heed this warning may result in a fire hazard.

WARNING
Fire or Explosion Hazard
Read instruction manual before installing, using or servicing water heater.
• Improper use may result in fire or explosion.
• Maintain required clearances to combustibles.

Minimum clearances between the water heater and combustible construction are 0 inch at the sides and rear, 4 inches (102 mm) at the front, and 6 inches (153 mm) from the vent pipe. Clearance from the top of the jacket is 12 inches (305 mm) on most models. Note that a lesser dimension may be allowed on some models, refer to the label attached adjacent to the gas control valve on the water heater, see Figure 9.

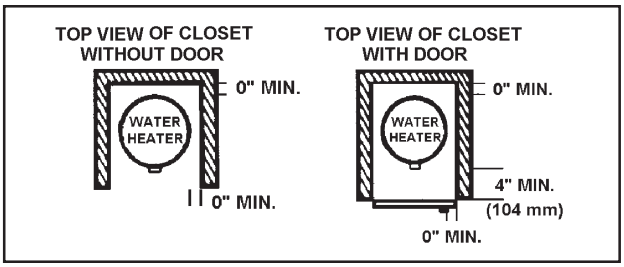
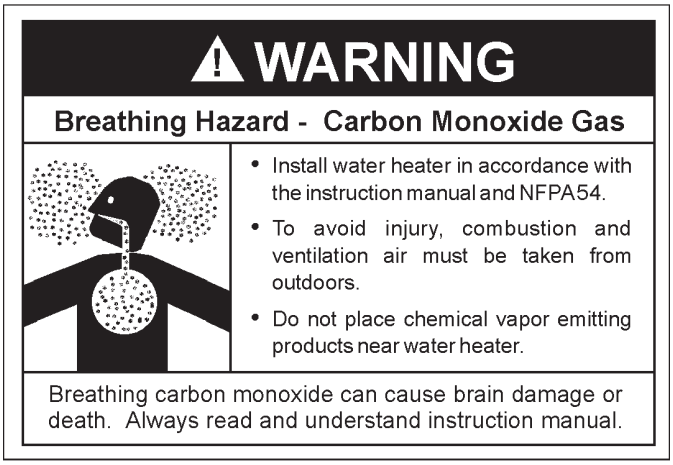


FIGURE 9.


WARNING
Breathing Hazard - Carbon Monoxide Gas
• Install water heater in accordance with the instruction manual and NFPA54.
• To avoid injury, combustion and ventilation air must be taken from outdoors.
• Do not place chemical vapor emitting products near water heater.
Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

A gas water heater cannot operate properly without the correct amount of air for combustion. Do not install in a confined area such as a closet, unless you provide air as shown in the *Locating and Installing The New Water Heater* section. Never obstruct the flow of ventilation air. If you have any doubts or questions at all, call your gas supplier. Failure to provide the proper amount of combustion air can result in a fire or explosion and cause death, serious bodily injury, or property damage.

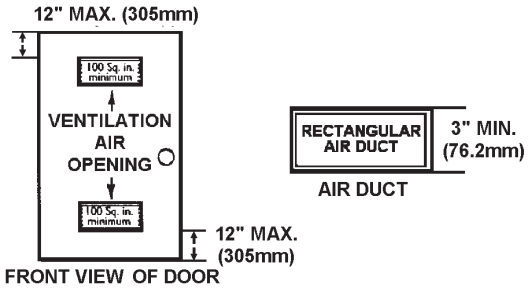


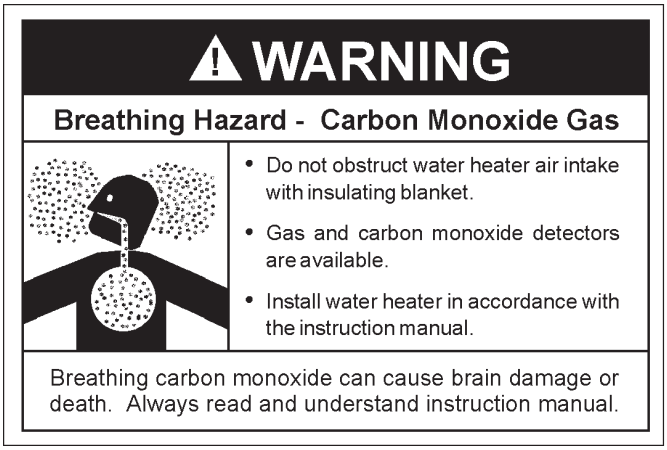
FIGURE 10.

If this water heater will be used in beauty shops, barber shops, cleaning establishments, or self-service laundries with dry cleaning equipment, it is imperative that the water heater or water heaters be installed so that combustion and ventilation air be taken from outside these areas.

Propellants of aerosol sprays and volatile compounds, (cleaners, chlorine based chemicals, refrigerants, etc.) in addition to being highly flammable in many cases, will also change to corrosive hydrochloric acid when exposed to the combustion products of the water heater. The results can be hazardous, and also cause product failure.

Insulation Blankets

Insulation blankets available to the general public for external use on gas water heaters are not necessary with Maytag products. The purpose of an insulation blanket is to reduce the standby heat loss encountered with storage tank heaters. Your Maytag water heater meets or exceeds the EPACT standards with respect to insulation and standby loss requirements, making an insulation blanket unnecessary.


WARNING
Breathing Hazard - Carbon Monoxide Gas
• Do not obstruct water heater air intake with insulating blanket.
• Gas and carbon monoxide detectors are available.
• Install water heater in accordance with the instruction manual.
Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

WARNING

Should you choose to apply an insulation blanket to this heater, you should follow these instructions (See Figure 7 for identification of components mentioned below). Failure to follow these instructions can restrict the air flow required for proper

combustion, potentially resulting in fire, asphyxiation, serious personal injury or death.

- **Do not** apply insulation to the top of the water heater, as this will interfere with safe operation of the draft hood.
- **Do not** cover the outer door, thermostat or temperature & pressure relief valve.
- **Do not** allow insulation to come within 2" (50.8 mm) of the floor to prevent blockage of combustion air flow to the burner.
- **Do not** cover the instruction manual. Keep it on the side of the water heater or nearby for future reference.
- **Do** obtain new warning and instruction labels from Maytag for placement on the blanket directly over the existing labels.
- **Do** inspect the insulation blanket frequently to make certain it does not sag, thereby obstructing combustion air flow.

Combustion Air and Ventilation for Appliances Located in Unconfined Spaces

UNCONFINED SPACE is space whose volume is not less than 50 cubic feet per 1,000 Btu per hour (4.8 m^3 per kW) of the aggregate input rating of all appliances installed in that space. Rooms communicating directly with the space in which the appliances are installed, through openings not furnished with doors, are considered a part of the unconfined space.

In unconfined spaces in buildings, infiltration may be adequate to provide air for combustion, ventilation and dilution of flue gases. However, in buildings of tight construction (for example, weather stripping, heavily insulated, caulked, vapor barrier, etc.), additional air may need to be provided using the methods described in *Combustion Air and Ventilation for Appliances Located in Confined Spaces*.

Combustion Air and Ventilation for Appliances Located in Confined Spaces

CONFINED SPACE is a space whose volume is less than 50 cubic feet per 1,000 Btu per hour (4.8 m^3 per kW) of the aggregate input rating of all appliances installed in that space.

A. ALL AIR FROM INSIDE BUILDINGS:
(See Figures 10 and 11)

The confined space shall be provided with two permanent openings communicating directly with an additional room(s) of sufficient volume so that the combined volume of all spaces meets the criteria for an unconfined space. The total input of all gas utilization equipment installed in the combined space shall be considered in making this determination. Each opening shall have a minimum free area of one square inch per 1,000 Btu per hour (22 cm^2/kW) of the total input rating of all gas utilization equipment in the confined space, but not less than 100 square inches (645 cm^2). One opening shall commence within 12 inches (30 cm) of the top and one commencing within 12 inches (30 cm) of the bottom of the enclosures.

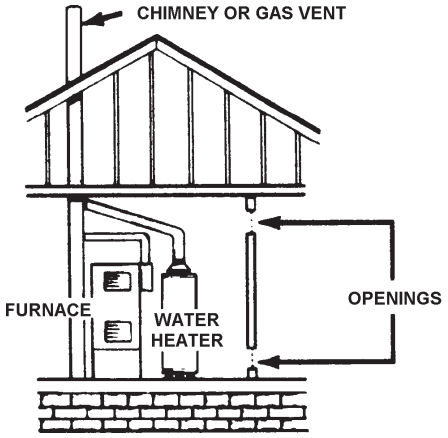


FIGURE 11.

B. ALL AIR FROM OUTDOORS: (See Figures 12, 13 and 14)

The confined space shall be provided with two permanent openings, one commencing within 12 inches (30 cm) of the top and one commencing within 12 inches (30 cm) from the bottom of the enclosure. The openings shall communicate directly, or by ducts, with the outdoors or spaces (crawl or attic) that freely communicate with the outdoors.

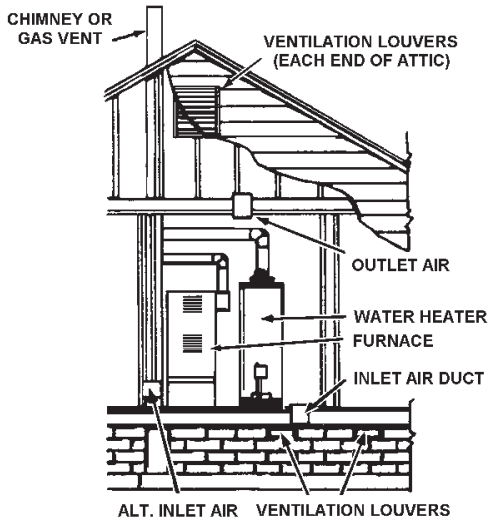


FIGURE 12.

- When directly communicating with the outdoors, each opening shall have a minimum free area of 1 square inch per 4,000 Btu per hour (5.5 cm^2/kW) of total input rating of all equipment in the enclosure, see Figure 12.
- When communicating with the outdoors through vertical ducts, each opening shall have a minimum free area of 1 square inch per 4,000 BTU per hour (5.5 cm^2/kW) of total input rating of all equipment in the enclosure, see Figure 13.

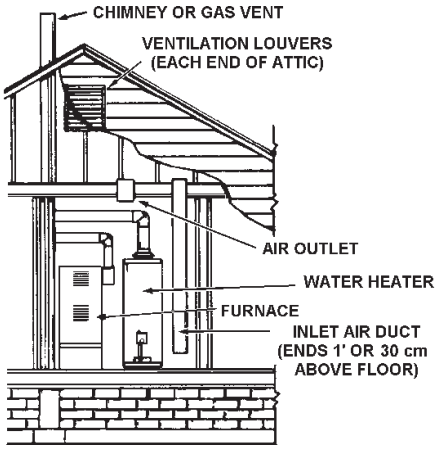


FIGURE 13.

- When communicating with the outdoors through horizontal ducts, each opening shall have a minimum free area of 1 square inch per 2,000 BTU per hour (11 cm^2/kW) of total input rating of all equipment in the enclosure, see Figure 14.

- When ducts are used, they shall be of the same cross-sectional area as the free area of the openings to which they connect. The minimum short side dimension of rectangular air ducts shall not be less than 3 inches (76.2 mm), see Figure 14.

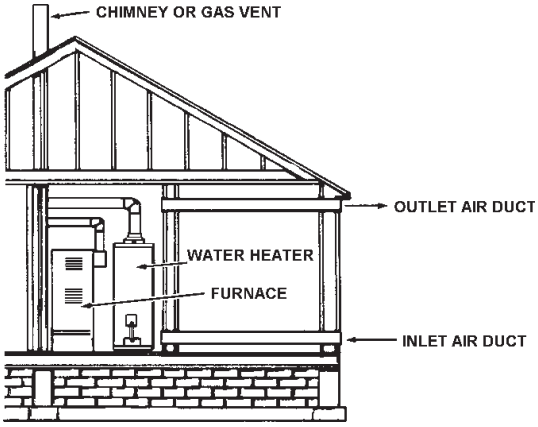


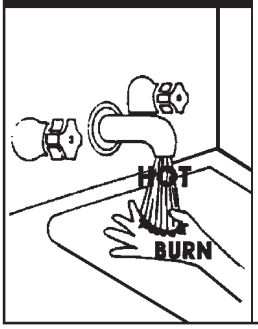
FIGURE 14.

- Louvers and Grilles: In calculating free area, consideration shall be given to the blocking effect of louvers, grilles or screens protecting openings. Screens used shall not be smaller than 1/4 inch (6.4 mm) mesh. If the free area through a design of louver or grille is known, it should be used in calculating the size opening required to provide the free area specified. If the design and free area is not known, it may be assumed that wood louvers will be 20-25 percent free area and metal louvers and grilles will have 60-75 percent free area. Louvers and grilles shall be fixed in the open position or interlocked with the equipment so that they are opened automatically during equipment operation.

- Special Conditions Created by Mechanical Exhausting or Fireplaces: operation of exhaust fans, ventilation systems, clothes dryers or fireplaces may create conditions requiring special attention to avoid unsatisfactory operation of installed gas utilization equipment.

Water Piping

⚠ DANGER



Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.

Children, elderly, and the physically or mentally disabled are at highest risk for scald injury.

Feel water before bathing or showering.

Temperature limiting valves are available.

Read instruction manual for safe temperature setting.

HOTTER WATER CAN SCALD:
Water heaters are intended to produce hot water. Water heated to a temperature which will satisfy clothes washing, dish washing, cleaning and other sanitizing needs can scald and permanently injure you upon contact. Some people are more likely to be permanently injured by hot water than others. These include the elderly, children, the infirm, or physically/mentally handicapped. If anyone using hot water in your home fits into one of these groups or if there is a local code or state law requiring a certain temperature water at the hot water tap, then you must take special precautions. In addition to using the lowest possible temperature setting that satisfies your hot water needs, a means such as a *mixing valve, shall be used at the hot water taps used by these people or at the water heater. Mixing valves are available at a plumbing supply distributor, see Figure 8 on page 9 and Figure 15 below. Valves for reducing point of use temperature by mixing cold and hot water are also available. **Consult Maytag Customer Service at 1-800-788-8899**. Follow manufacturer's instructions for installation of the valves. Before changing the factory setting on the thermostat, read the *Temperature Regulation* section in this manual.

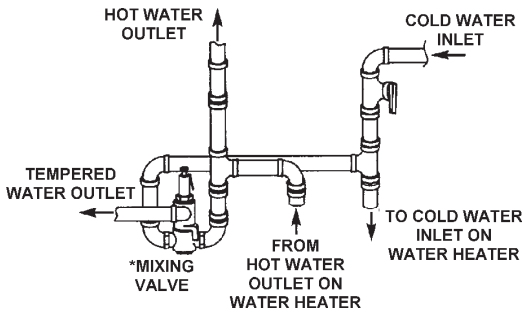


FIGURE 15.

⚠ WARNING

Toxic Chemical Hazard

- Do not connect to non-potable water system.

This water heater shall not be connected to any heating systems or component(s) used with a non-potable water heating appliance.

Toxic chemicals, such as those used for boiler treatment shall not be introduced into this system.

Water supply systems may, because of such events as high line pressure, frequent cut-offs, the effects of water hammer among others, have installed devices such as pressure reducing valves, check valves, back flow preventers, etc. to control these types of problems. When these devices are not equipped with an internal by-pass, and no other measures are taken, the devices cause the water system to be closed. As water is heated, it expands (thermal expansion) and closed systems do not allow for the expansion of heated water.

The water within the water heater tank expands as it is heated and increases the pressure of the water system. If the relieving point of the water heater's temperature-pressure relief valve is reached, the valve will relieve the excess pressure. **The temperature-pressure relief valve is not intended for the constant relief of thermal expansion.** This is an unacceptable condition and must be corrected. It is recommended that any devices installed which could create a closed system have a by-pass and/or the system have an expansion tank to relieve the pressure built by thermal expansion in the water system. Refer to the *Thermal Expansion* section under *Troubleshooting Guide* or contact local plumbing authority or c**all Maytag Customer Service at 1-800-788-8899 for an authorized installer on how to control this situation.**

CAUTION

Property Damage Hazard

- Avoid water heater damage.
- Install thermal expansion tank if necessary.
- Do not apply heat to connection nipples.
- Contact qualified installer or Maytag Service Center.

NOTE: To protect against untimely corrosion of hot and cold water fittings, it is strongly recommended that di-electric unions or couplings be installed on this water heater when connected to copper pipe.

Figure 16 shows the typical attachment of the water piping to the water heater. The water heater is equipped with 1" NPT water connections for 75 gallon models.

NOTE: If using copper tubing, solder tubing to an adapter before attaching the adapter to the water connections. Do not solder the water lines directly to the water connections on the tank. It will harm the dip tube and damage the tank.

- Look at the top cover of the water heater. The water outlet is marked "HOT". Put two or three turns of teflon tape around the exposed end of the 1" NPT threaded nipple. Connect the hot water pipe to the hot water outlet on the water heater.

- Look at the top of the water heater. The cold water inlet is marked "COLD". Put two or three turns of teflon tape around the exposed end of the 1" NPT threaded nipple. Connect the cold water pipe to the cold water inlet of the water heater.

  NOTE: This water heater is super insulated to minimize heat loss from the tank. Further reduction in heat loss can be accomplished by insulating the hot water lines from the water heater.

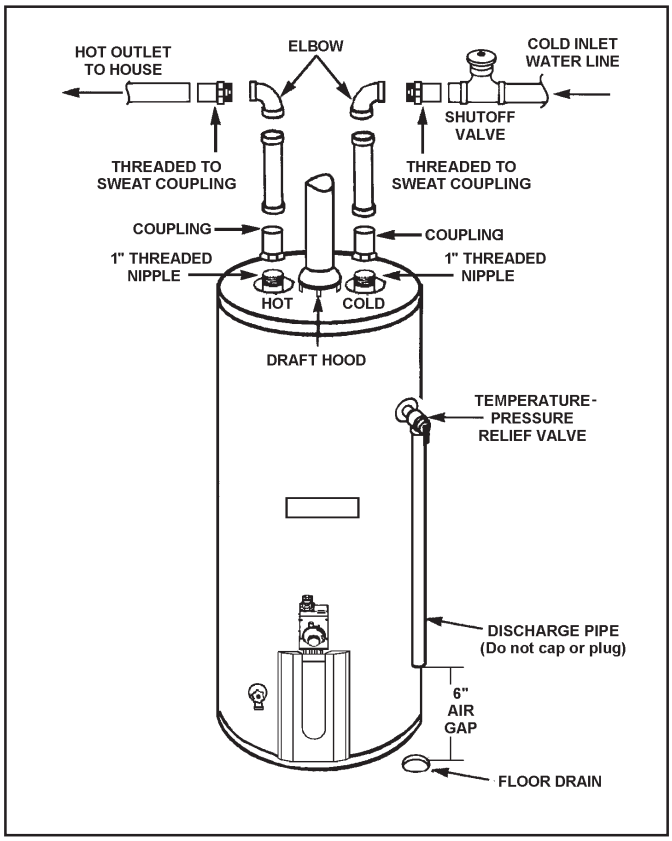
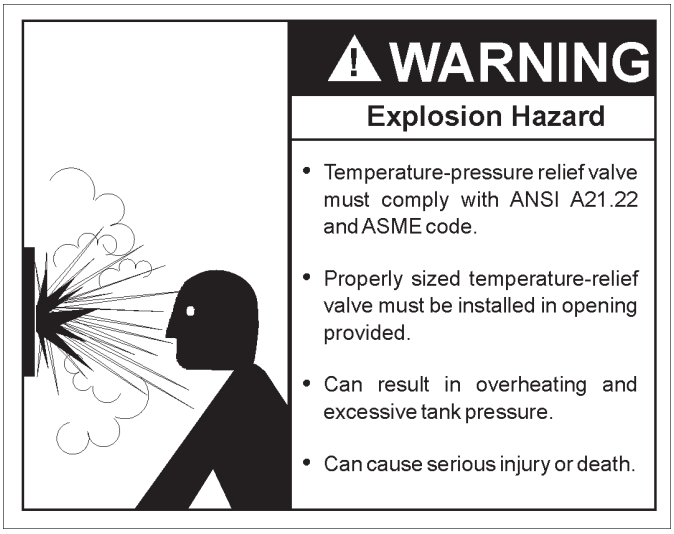


FIGURE 16.

Temperature-Pressure Relief Valve


WARNING
Explosion Hazard
• Temperature-pressure relief valve must comply with ANSI A21.22 and ASME code.
• Properly sized temperature-relief valve must be installed in opening provided.
• Can result in overheating and excessive tank pressure.
• Can cause serious injury or death.

This heater is provided with a properly certified combination temperature - pressure relief valve by the manufacturer.

The valve is certified by a nationally recognized testing laboratory that maintains periodic inspection of production of listed equipment of materials as meeting the requirements for Relief Valves for Hot Water Supply Systems, ANSI Z21.22-CSA 4.4 and the code requirements of ASME.

If replaced, the valve must meet the requirements of local codes, but not less than a combination temperature and pressure relief valve certified as indicated in the above paragraph.

The valve must be marked with a maximum set pressure not to exceed the marked maximum working pressure of the water heater (150 psi = 1,035 kPa) and a discharge capacity not less than the water heater input rate as shown on the model rating plate.

For safe operation of the water heater, the relief valve must not be removed from its designated opening nor plugged.

The temperature-pressure relief valve must be installed directly into the fitting of the water heater designed for the relief valve. Position the valve downward and provide tubing so that any discharge will exit only within 6 inches (153 mm) above, or at any distance below the structural floor. Be certain that no contact is made with any live electrical part. The discharge opening must not be blocked or reduced in size under any circumstances. Excessive length, over 30 feet (9.14 m), or use of more than four elbows can cause restriction and reduce the discharge capacity of the valve, see Figure 17.

No valve or other obstruction is to be placed between the relief valve and the tank. Do not connect tubing directly to discharge drain unless a 6 inch air gap is provided. To prevent bodily injury, hazard to life, or property damage, the relief valve must be allowed to discharge water in quantities should circumstances demand. If the discharge pipe is not connected to a drain or other suitable means, the water flow may cause property damage.

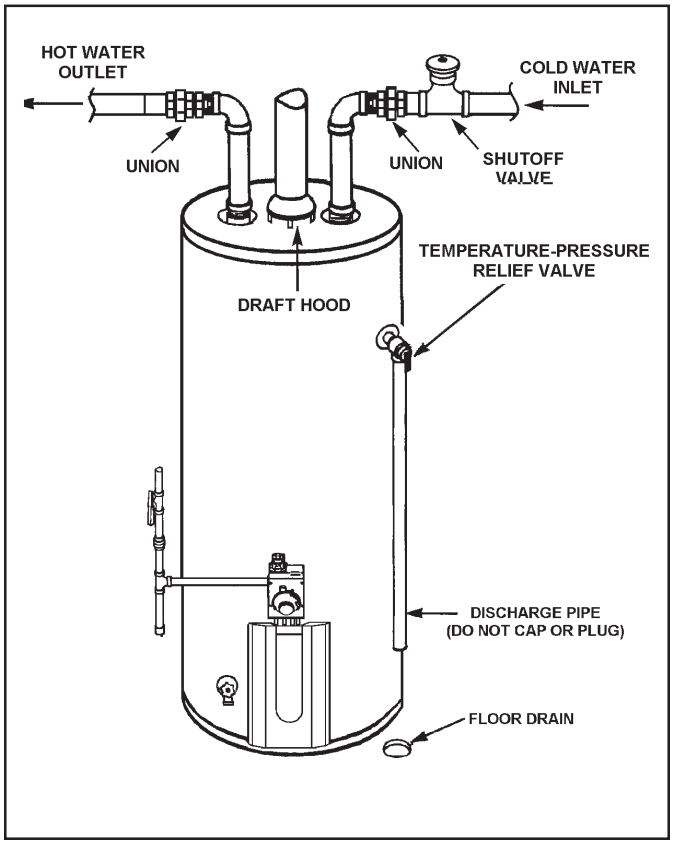


FIGURE 17.

CAUTION

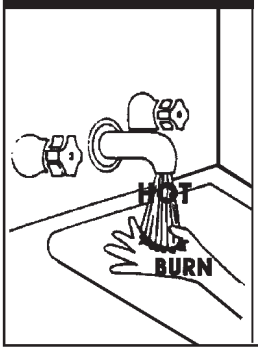
Water Damage Hazard

- Temperature-pressure relief valve discharge pipe must terminate at adequate drain.

The Discharge Pipe:

- Shall not be smaller in size than the outlet pipe size of the valve, or have any reducing couplings or other restrictions.
- Shall not be plugged or blocked.
- Shall be of material listed for hot water distribution.
- Shall be installed so as to allow complete drainage of both the temperature-pressure relief valve, and the discharge pipe.
- Shall terminate at an adequate drain.
- Shall not have any valve between the relief valve and tank.

⚠DANGER



Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.

Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.

Feel water before bathing or showering.

Temperature limiting valves are available.

Read instruction manual for safe temperature setting.

The temperature-pressure relief valve must be manually operated at least once a year. Caution should be taken to ensure that (1) no one is in front of or around the outlet of the temperature-pressure relief valve discharge line, and (2) the water manually discharged will not cause any bodily injury or property damage because the water may be extremely hot.

If after manually operating the valve, it fails to completely reset and continues to release water, immediately close the cold water inlet to the water heater, follow the draining instructions, and replace the temperature-pressure relief valve with a new one.

Filling the Water Heater

CAUTION

Property Damage Hazard

- Avoid water heater damage.
- Fill tank with water before operating.

Never use this water heater unless it is completely full of water. To prevent damage to the tank, the tank must be filled with water. Water must flow from the hot water faucet before turning "ON" gas to the water heater.

To fill the water heater with water:

- Close the water heater drain valve by turning the handle to the right (clockwise). The drain valve is on the lower front of the water heater.
- Open the cold water supply valve to the water heater. **NOTE: The cold water supply valve must be left open when the water heater is in use.**
- To insure complete filling of the tank, allow air to exit by opening the nearest hot water faucet. Allow water to run until a constant flow is obtained. This will let air out of the water heater and the piping.
- Check all water piping and connections for leaks. Repair as needed.

Venting

VENT DAMPERS - Any vent damper, whether it is operated thermally or otherwise must be removed if its use inhibits proper drafting of the water heater.

Thermally Operated Vent Dampers: This gas-fired water heater has a thermal efficiency at or above 80% which may produce a relatively low flue gas temperature. Such temperatures may not be high enough to properly open thermally operated vent dampers. This would cause spillage of the flue gases and may cause carbon monoxide poisoning.

Vent dampers must bear evidence of certification as complying with the current edition of the American National Standard ANSI Z21.66/CGA 6.14, (covering electrically and mechanically actuated vent dampers). Before installation of any vent damper, **consult your Maytag Customer Service Center at 1-800-788-8899 or the local gas supplier for further information.**

⚠ WARNING

Breathing Hazard - Carbon Monoxide Gas

- Vent dampers must be certified in accordance with ANSI Z21.66/ CGA6.14.
- Vent damper must permit proper drafting of water heater.
- Install properly sized venting.
- Do not install without venting outdoors.
- Do not install without draft hood.
- If common vented install in accordance with NFPA54 .
- Be alert for obstructed or deteriorated vent system to avoid serious injury or death.

Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

To insure proper venting of this gas-fired water heater, the correct vent pipe diameter must be utilized. Any additions or deletions of other gas appliances on a common vent with this water heater may adversely affect the operation of the water heater. **Consult your Maytag Customer Service Center at 1-800-788-8899 or gas supplier if any such changes are planned.**

For proper venting in certain installations, a larger diameter vent pipe may be necessary. **Consult your Maytag Customer Service Center at 1-800-788-8899 or gas supplier to aid you in determining the proper venting for your water heater from the vent tables in the current edition of the National Fuel Gas Code ANSI Z223.1/NFPA 54.**

Periodically check the venting system for signs of obstruction or deterioration and replace if needed.

The combustion and ventilation air flow must not be obstructed.

The water heater with draft hood installed must be connected to a chimney or listed vent pipe system, which terminates to the outdoors. Never operate the water heater unless it is vented to the outdoors and has adequate air supply to avoid risks of improper operation, explosion or asphyxiation.

- For proper draft hood attachment, the draft hood legs may be angled slightly inward.
- Place the draft hood legs in the receiving holes on the top of the water heater. The legs will snap in the holes to give a tight fit. Secure draft hood with the supplied brackets.
- Place the vent pipe over the draft hood. With the vent pipe in position, drill a small hole through both the vent pipe and draft hood. Secure them together with a sheet metal screw, see Figure 18.

Obstructed or deteriorated vent systems may present serious health risk or asphyxiation.

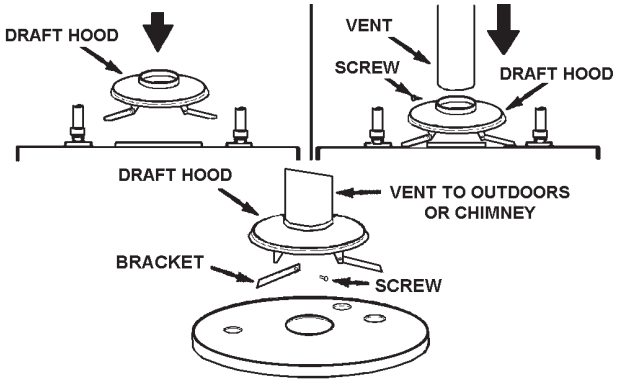


FIGURE 18.

The vent pipe from the water heater must be no less than the diameter of the draft hood outlet on the water heater and must slope upward at least 1/4 inch per linear foot (21 mm per meter), see Figure 19.

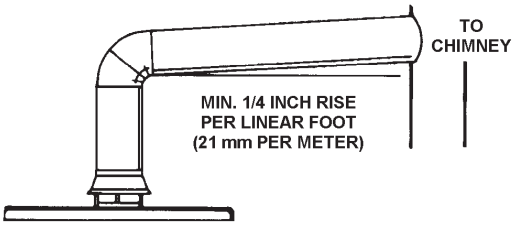


FIGURE 19.

All vent gases must be completely vented to the outdoors of the structure (dwelling). Install only the draft hood provided with the new water heater and no other draft hood.

Vent pipes must be secured at each joint with sheet metal screws.

There must be a minimum of 6 inches (153 mm) clearance between single wall vent pipe and any combustible material. Fill and seal any clearance between single wall vent pipe and combustible material with mortar mix, cement, or other noncombustible substance. For other than single wall, follow vent pipe manufacturer's clearance specifications. To insure a tight fit of the vent pipe in a brick chimney, seal around the vent pipe with mortar mix cement.

⚠ WARNING

Breathing Hazard - Carbon Monoxide Gas

- Flue gases may escape if vent pipe is not connected.
- Do not store corrosive chemicals in vicinity of water heater.
- Chemical corrosion of flue and vent system can cause serious injury or death.
- Contact a qualified installer or service agency.

Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

Failure to have required clearances between vent piping and combustible material will result in a fire hazard.

Be sure vent pipe is properly connected to prevent escape of dangerous flue gases which could cause deadly asphyxiation.

Chemical vapor corrosion of the flue and vent system may occur if air for combustion contains certain chemical vapors. Spray can propellants, cleaning solvents, refrigerator and air conditioner refrigerants, swimming pool chemicals, calcium and sodium chloride, waxes, bleach and process chemicals are typical compounds which are potentially corrosive.

Gas Piping

⚠ WARNING

Fire and Explosion Hazard

- Do not use water heater with any gas other than the gas shown on the rating plate.
- Excessive pressure to gas control valve can cause serious injury or death.
- Turn off gas lines during installation.
- Contact qualified installer or service agency.

Make sure the gas supplied is the same type listed on the model rating plate. The inlet gas pressure must not exceed 14 inch water column (2.6kPa) for natural and propane (L.P.) gas. If the gas control valve is subjected to pressures exceeding 1/2 pound per square inch (3.5kPa), the damage to the gas control valve could result in a fire or explosion from leaking gas.

If the main gas line Shut-off serving all gas appliances is used, also turn "OFF" the gas at each appliance. Leave all gas appliances shut "OFF" until the water heater installation is complete.

A gas line of sufficient size must be run to the water heater. Consult the current edition of National Fuel Gas Code ANSI Z223.1/NFPA 54 and your gas supplier concerning pipe size.

There must be:

- A readily accessible manual shut off valve in the gas supply line serving the water heater, and
- A drip leg (sediment trap) ahead of the gas control valve to help prevent dirt and foreign materials from entering the gas control valve.
- A flexible gas connector or a ground joint union between the shut off valve and control valve to permit servicing of the unit.

Be sure to check all the gas piping for leaks before lighting the water heater. Use a soapy water solution, not a match or open flame. Rinse off soapy solution and wipe dry.

The minimum inlet gas pressure shown on the rating plate is that which will permit firing at the rated input.

⚠ WARNING

Breathing Hazard - Carbon Monoxide Gas

- High altitude orifice must be installed if a standard model is installed above 2,000 Feet (610 m) or a high altitude model is installed above 4,500 Feet (1,370 m).
- Contact Maytag Customer Service or local supplier.

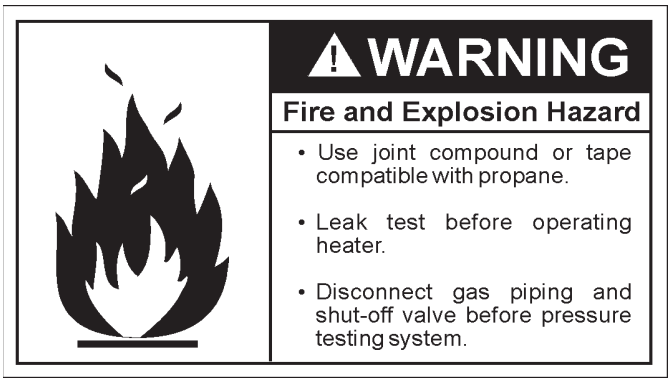
Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

Standard Models are for installation up to 2,000 feet (610 m) above sea level.

High Altitude models are for installation from 2,000 feet (610 m) to 4,500 feet (1,370 m) above sea level.

If a standard model is installed above 2,000 feet (610 m) or high altitude model is installed above 4,500 feet (1,370 m), the input rating should be reduced at the rate of 4 percent for each 1000 feet (305 m) above sea level which requires replacement of the burner orifice in accordance with National Fuel Gas Code ANSI Z223.1/NFPA 54. **Contact Maytag Customer Service Center at 1-800-788-8899 or your local gas supplier or call for further information.**

Failure to replace the standard orifice with a high altitude orifice when installed at elevations above 2,000 feet (610 m) or above 4,500 feet (1,370 m) for high altitude model could result in improper and inefficient operation of the appliance, producing carbon monoxide gas in excess of safe limits, which could result in serious injury or death. **Contact Maytag Customer Service at 1-800-788-8899 or your local gas supplier for any specific changes which may be required in your area.**


WARNING
Fire and Explosion Hazard
• Use joint compound or tape compatible with propane.
• Leak test before operating heater.
• Disconnect gas piping and shut-off valve before pressure testing system.

Use pipe joint compound or teflon tape marked as being resistant to the action of petroleum (Propane [L.P.]) gases.

The appliance and its gas connection must be leak tested before placing the appliance in operation.

The appliance and its individual Shut-off valve shall be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 pound per square inch (3.5kPa). It shall be isolated from the gas supply piping system by closing its individual manual Shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 pound per square inch (3.5kPa).

Connecting the gas piping to the gas control valve of the water heater can be accomplished by either of the two methods, shown in Figures 20 and 21.

Sediment Traps

WARNING
Fire and Explosion Hazard
• Contaminants in gas lines can cause fire or explosion.
• Clean all gas piping before installation.
• Install drip leg in accordance with NFPA 54.

Contaminants in the gas lines may cause improper operation of the gas control valve that may result in fire or explosion. Before attaching the gas line be sure that all gas pipe is clean on the inside. To trap any dirt or foreign material in the gas supply line, a drip leg (sometimes called a sediment trap) must be incorporated in the piping. The drip leg must be readily accessible. Install in accordance with the *Gas Piping* section. Refer to the current edition of the National Fuel Gas Code, ANSI Z223.1/NFPA 54.

A sediment trap shall be installed as close to the inlet of the water heater as practical at the time of water heater installation. The sediment trap shall be either a tee fitting with a capped nipple in the bottom outlet or other device recognized as an effective sediment trap. If a tee fitting is used, it shall be installed in conformance with one of the methods of installation, shown in Figures 20 and 21.

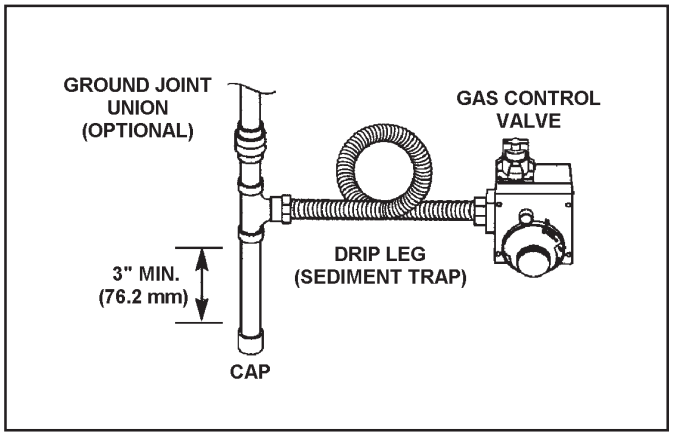


FIGURE 20. GAS PIPING WITH FLEXIBLE CONNECTOR.

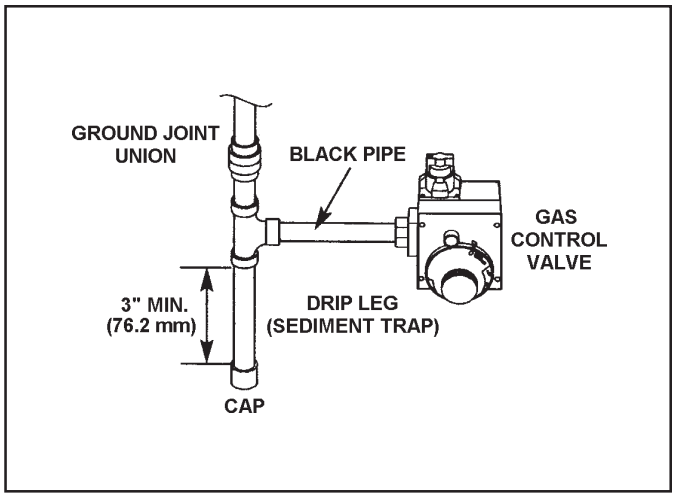


FIGURE 21. GAS PIPING WITH ALL BLACK IRON PIPE TO GAS CONTROL.

OPERATING INSTRUCTIONS

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

FLAMMABLE

BEFORE OPERATING: ENTIRE SYSTEM MUST BE FILLED WITH WATER AND AIR PURGED AT FAUCETS.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

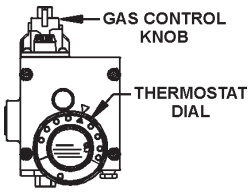
WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push down or turn the gas control knob. Never use tools. If the knob will not push down or turn by hand, don't try to repair it, call a qualified service technician . Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS



GAS CONTROL

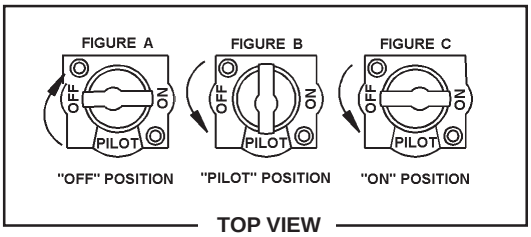
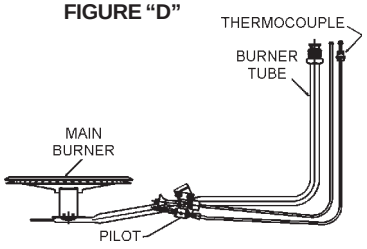


FIGURE "D"



1. STOP! Read the safety information above on this label.
2. Set the thermostat to lowest setting by turning thermostat dial fully clockwise until it stops.
3. Push the gas control knob down slightly and turn clockwise to "OFF", (Figure "A").

   NOTE: Gas control knob CANNOT be turned from "PILOT" to "OFF" unless it is pushed down slightly. Do not force.
4. Remove the inner and outer doors located below and behind the gas control unit.
5. Wait five (5) minutes to clear out any gas. If you then smell gas STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to next step.
6. Find pilot. Follow metal tube from the bottom, right of the gas control to the pilot burner, (Figure "D").
7. Turn gas control knob counterclockwise to "PILOT". (Figure "B").
8. Push gas control knob down all the way and hold it down. Immediately light pilot with a match. Continue to hold the gas control knob down for about one (1) minute after the pilot is lit. Release the gas control knob and it will pop back up. Pilot should remain lit. If it goes out, repeat Steps 3 through 8. It may take several minutes for air to clear the lines before the pilot will light.
   - If knob does not pop up when released , stop and immediately call your service technician or gas supplier.
   - If the pilot will not stay lit, after several tries, turn the gas control knob to "OFF", (Figure "A") and call your service technician or gas supplier.
9. Replace inner and outer burner doors.
10. At arm's length away, turn control knob counterclockwise to on. (Figure "C").
11. Set thermostat to desired setting (See Figure).

CAUTION: Hotter water increases the risk of scald injury. Consult the instruction manual before changing temperature.

TO TURN OFF GAS TO APPLIANCE

1. Set thermostat to the lowest setting.
2. Push gas control knob down slightly and turn clockwise to "OFF". Do not force. SEE FIGURE "A".

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

FLAMMABLE

BEFORE LIGHTING: ENTIRE SYSTEM MUST BE FILLED WITH WATER AND AIR PURGED AT FAUCETS.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B. **BEFORE LIGHTING**: smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push down or turn the gas control knob. Never use tools. If the knob will not push down or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

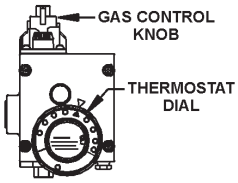
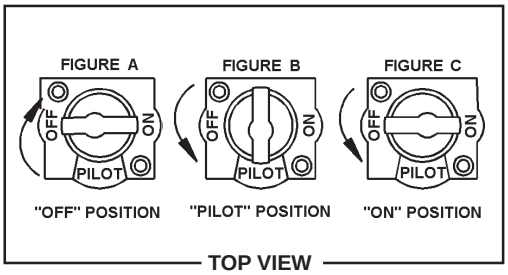


FIGURE 1.



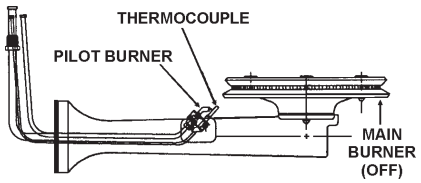


FIGURE D.

1. STOP! Read the safety information above on this label.
2. Set the thermostat to the lowest setting by turning thermostat dial fully clockwise until it stops.
3. Push the gas control knob down slightly and turn clockwise to "OFF" (Figure A).
   NOTE: Gas control knob CANNOT be turned from "PILOT" to "OFF" unless it is pushed down slightly. Do not force.
4. Remove the inner and outer doors located below and behind the gas control unit.
5. Wait five (5) minutes to clear out any gas. If you then smell gas STOP! Follow "B" in the safety information above on this label. If you do not smell gas, go to the next step.
6. Find Pilot. Follow metal tube from the bottom , right of the gas control to the pilot burner. (Figure D).
7. Turn gas control knob counterclockwise to "PILOT" (Figure B).
8. Push gas control knob down all the way and hold it down. Immediately light the pilot with a match. Continue to hold the gas control knob down for about one (1) minute after the pilot is lit. Release the gas control knob and it will pop back up. Pilot should remain lit. If it goes out, repeat Steps 3 through 8. It may take several minutes for air to clear the lines, before the pilot will light.
   - If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
   - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" (Figure A) and call your service technician or gas supplier.
9. Replace inner and outer burner doors.
10. At arm's length away, turn the gas control knob counterclockwise to on (Figure C).
11. Set thermostat to desired setting (See Figure 1).

CAUTION: Hotter water increases the risk of scald injury. Consult the instruction manual before changing temperature.

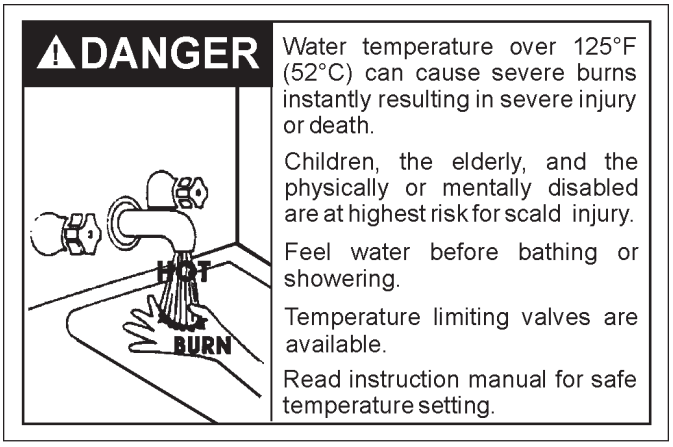
TO TURN OFF GAS TO APPLIANCE

1. Set the thermostat to lowest setting.
2. Push gas control knob down slightly and turn clockwise to "OFF". Do not force, see Figure A.

Temperature Regulation

Short repeated heating cycles caused by small hot water uses can cause temperatures at the point of use to exceed the thermostat setting by up to 30°F (16.7°C). If you experience this type of use you should consider using lower temperature settings to reduce scald hazards.

Any water heater's intended purpose is to heat water. Hot water is needed for cleansing, cleaning, and sanitizing (bodies, dishes, clothing). Untempered hot water can present a scald hazard. Depending on the time element, and the people involved (adults, children, elderly, infirm, etc.) scalding may occur at different temperatures.


DANGER
Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.
Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.
Feel water before bathing or showering.
Temperature limiting valves are available.
Read instruction manual for safe temperature setting.
HOT
BURN

HOTTER WATER CAN SCALD: Water heaters are intended to produce hot water. Water heated to a temperature which will satisfy clothes washing, dish washing, and other sanitizing needs can scald and permanently injure you upon contact. Some people are more likely to be permanently injured by hot water than others. These include the elderly, children, the infirm, or physically/mentally handicapped. If anyone using hot water in your home fits into one of these groups or if there is a local code or state law requiring a certain temperature water at the hot water tap, then you must take special precautions. In addition to using the lowest possible temperature setting that satisfies your hot water needs, a means such as a mixing valve, shall be used at the hot water taps used by these people or at the water heater. Mixing valves are available at a plumbing supply distributor, see Figure 8 on page 9 and Figure 15 on page 13. Valves for reducing point of use temperature by mixing cold and hot water are also available. **Consult Maytag Customer Service at 1-800-788-8899**. Follow manufacturer's instructions for installation of the valves. Before changing the factory setting on the thermostat, read the *Temperature Regulation* section in this manual, see Figures 22 and 23.

Never allow small children to use a hot water tap, or to draw their own bath water. Never leave a child or handicapped person unattended in a bathtub or shower.

NOTE: A water temperature range of 120°F-140°F (49°C-60°C) is recommended by most dishwasher manufacturers.

The thermostat of this water heater has been factory set at its lowest position (PILOT LIGHTING). It is adjustable and must be reset to the desired temperature setting to reduce the risk of scald injury. The mark (▲) indicative of approximately 120°F (49°C) is preferred starting point. Some states have a requirement for a lower setting.

Turn the water temperature dial clockwise (↷) to decrease the temperature, or counterclockwise (↶) to increase the temperature.

Should overheating occur or the gas supply fail to shut off, turn off the manual gas control valve to the appliance.

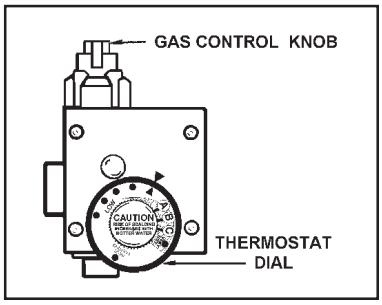


FIGURE 22.

Temperature Settings	Time to Produce 2nd & 3rd Degree Burns on Adult Skin
VERY HOT = approx. 160°F (71°C)	About 1/2 second
C = approx. 150°F (66°C)	About 1-1/2 seconds
B = approx. 140°F (60°C)	Less than 5 seconds
A = approx. 130°F (54°C)	About 30 seconds
▲ = approx. 120°F (49°C)	More than 5 minutes
LOW = approx. 80°F (27°C)	- - - - - - - - - - - - - - - -

FIGURE 23.

SERVICE AND MAINTENANCE

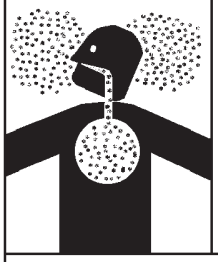
Tank (Sediment) Cleaning

Sediment build-up on the tank bottom may create varying amount of noise, if left in the tank will cause permanent tank failure. In some water areas, sediment can be removed by draining off approximately one gallon of water each month.

Vent System Inspection

⚠ WARNING

Carbon Monoxide and Fire Hazard



- Flue gases may escape if vent pipe is not connected.
- Be alert for obstructed, sooted or deteriorated vent system to avoid serious injury or death.
- Do not store corrosive chemicals in vicinity of water heater.
- Chemical corrosion of flue and vent system can cause serious injury or death.
- Contact a qualified installer or service agency.

Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

At least once a year a visual inspection should be made of the venting system. You should look for:

- Obstructions which could cause improper venting. The combustion and ventilation air flow must not be obstructed.
- Damage or deterioration which could cause improper venting or leakage of combustion products.
- Rusted flakes around top of water heater.

Be sure the vent piping is properly connected to prevent escape of dangerous flue gases which could cause deadly asphyxiation.

Obstructions and deteriorated vent systems may present serious health risk or asphyxiation.

Chemical vapor corrosion of the flue and vent system may occur if air for combustion contains certain chemical vapors. Spray can propellants, cleaning solvents, refrigerator and air conditioner refrigerants, swimming pool chemicals, calcium and sodium chloride, waxes, bleach and process chemicals are typical compounds which are potentially corrosive.

If after inspection of the vent system you found sooting or deterioration, something is wrong. **Call Maytag Customer Service at 1-800-788-8899 for an authorized servicer or your local gas supplier to correct the problem and clean or replace the flue and venting before resuming operation of the water heater.**

Burner Inspection

Flood damage to a water heater may not be readily visible or immediately detectable. However, over a period of time a flooded water heater will create dangerous conditions which can cause DEATH, SERIOUS BODILY INJURY, OR PROPERTY DAMAGE. Contact the Maytag dealer from whom the appliance was purchased or **call Maytag Customer Service at 1-800-788-8899 for an authorized servicer to replace a flooded water heater. Do not attempt to repair the unit! It must be replaced!**

At least once a year a visual inspection should be made of the main burner and pilot burner, see Figure 24.

You should check for sooting. Soot is not normal and will impair proper combustion.

Soot build-up indicates a problem that requires correction before further use. Turn “OFF” gas to water heater and leave off until repairs are made, because failure to correct the cause of the sooting can result in a fire causing death, serious injury, or property damage.

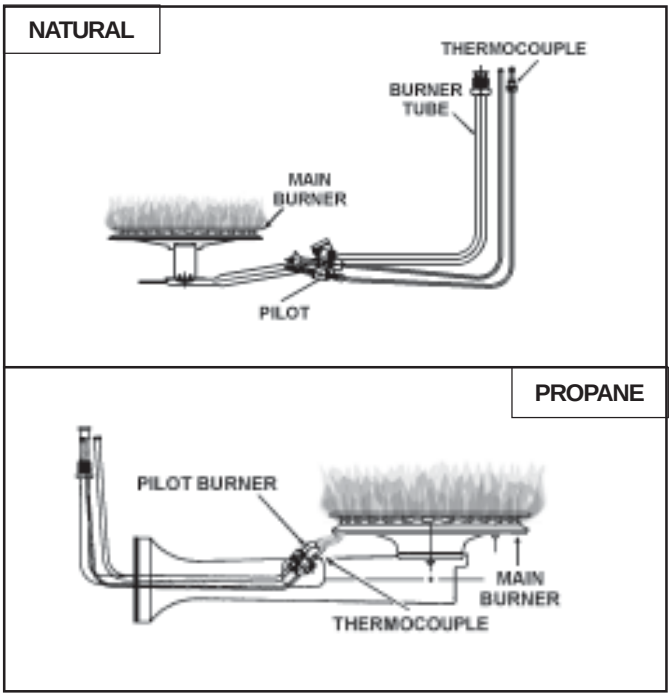


FIGURE 24.

Burner Cleaning

If inspection of the burner shows that cleaning is required, turn the gas control knob clockwise (↷) to the “OFF” position, depressing slightly.

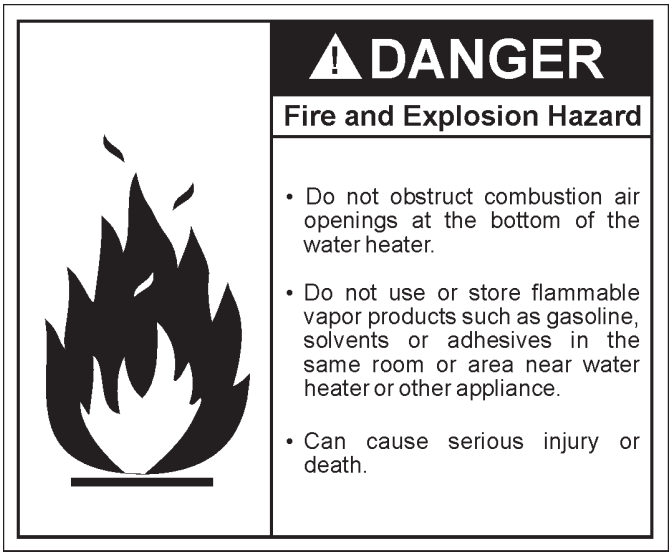
NOTE: The knob cannot be turned from “PILOT” to “OFF” unless knob is depressed slightly. DO NOT FORCE.

Loose deposits on or around the burner can be removed by carefully using the hose of a vacuum cleaner inserted through the access door of the water heater. If the Burner needs to be

removed for additional cleaning, **call Maytag Customer Service at 1-800-788-8899 for an authorized servicer to remove and clean the burner and correct the problem that required the burner to be cleaned.**

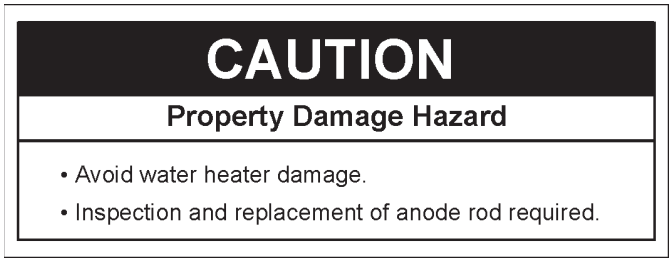
Housekeeping

Vacuum around base of water heater for dust, dirt, and lint on a regular basis.


⚠DANGER
Fire and Explosion Hazard
• Do not obstruct combustion air openings at the bottom of the water heater.
• Do not use or store flammable vapor products such as gasoline, solvents or adhesives in the same room or area near water heater or other appliance.
• Can cause serious injury or death.

INSTALLED IN SUITABLE AREA: To insure sufficient ventilation and combustion air supply, proper clearances from the water heater must be maintained. *See Facts to Consider About the Location* section. Combustible materials such as clothing, cleaning materials, or flammable liquids, etc. must not be placed against or adjacent to the water heater which can cause a fire.

Anode Rod Inspection

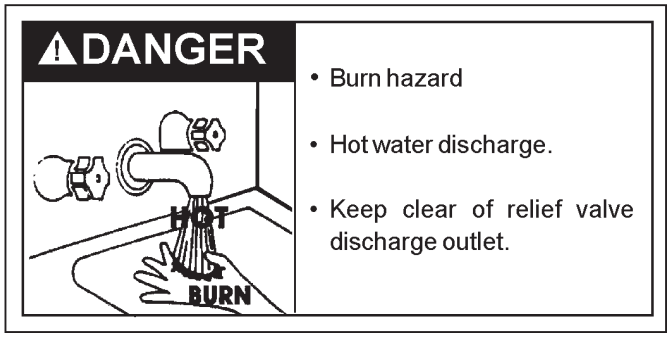


The anode rod is used to protect the tank from corrosion. Most hot water tanks are equipped with an anode rod. The submerged rod sacrifices itself to protect the tank. Instead of corroding the tank, water ions attack and eat away the anode rod. This does not affect the water's taste or color. The rod must be maintained to keep the tank in operating condition.

Anode deterioration depends on water conductivity, not necessarily water condition. A corroded or pitted anode rod indicates high water conductivity and should be checked and/or replaced more often than an anode rod that appears to be intact. Replacement of a depleted anode rod can extend the life of your water heater. Inspection should be conducted by a qualified technician. At a minimum, the anode(s) should be checked annually after the warranty period.

Temperature-Pressure Relief Valve Operation

The temperature-pressure relief valve must be manually operated at least once a year.



When checking the temperature-pressure relief valve operation, make sure that (1) no one is in front of or around the outlet of the temperature-pressure relief valve discharge line, and (2) that the water discharge will not cause any property damage, as the water may be extremely hot, see Figure 25.

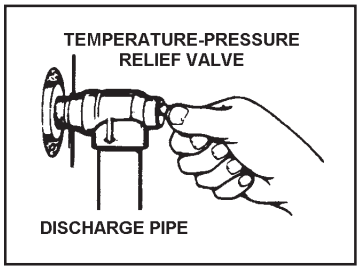


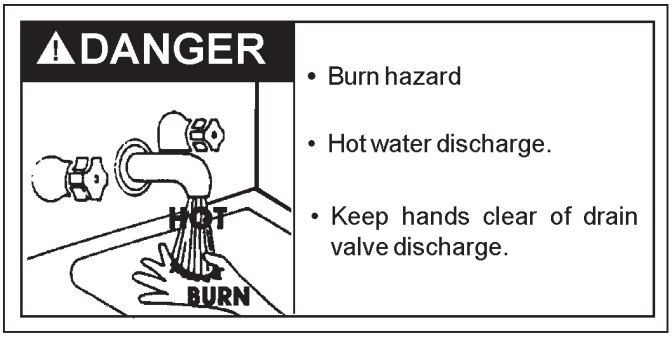
FIGURE 25.

If after manually operating the valve, it fails to completely reset and continues to release water, immediately close the cold water inlet to the water heater, follow the draining instructions, and replace the temperature-pressure relief valve with a new one.

If the temperature-pressure relief valve on the appliance weeps or discharges periodically, this may be due to thermal expansion. You may have a check valve installed in the water line or a water meter with a check valve. **Consult Maytag Customer Service at 1-800-788-8899 for further information. Do not plug the temperature-pressure relief valve.**

Draining

The water heater should be drained if being shut down during freezing temperatures. Also periodic draining and cleaning of sediment from the tank may be necessary.



- Turn the gas control knob to the “OFF” position.
- CLOSE the cold water inlet valve to the water heater.
- OPEN a nearby hot water faucet and leave open to allow for draining.
- Connect a hose to the drain valve and terminate to an adequate drain.
- OPEN the water heater drain valve to allow for tank draining.

  NOTE: If the water heater is going to be shut down and drained for an extended period, the drain valve should be left open with hose connected allowing water to terminate to an adequate drain.

- CLOSE the drain valve.
- Follow instructions in the *Filling The Water heater* section.
- Follow the lighting instructions in the *Lighting* section to restart the water heater.

Drain Valve Washer Replacement

(for selected models with plastic drain valves).
(See Figure 26)

NOTE: For ordering replacement washers, refer to the “Repair Parts List” section of this manual.

- Turn “OFF” gas supply to water heater.
- Follow “Draining” instructions.
- Turning counter clockwise ( ), remove the hex cap below the screw handle.
- Remove the washer and put the new one in place.
- Screw the handle and cap assembly back into the drain valve and retighten using a wrench. DO NOT OVER TIGHTEN.
- Follow instructions in the *Filling The Water Heater* section.
- Check for leaks.
- Follow the lighting instructions in the *Lighting* section to restart the water heater.

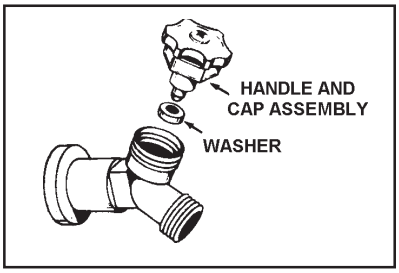


FIGURE 26.

Service

Before calling for repair service, read the *Start Up Conditions* and *Operational Conditions* found in the *Troubleshooting Guide* of this manual.

If a condition persists or you are uncertain about the operation of the water heater, let the Maytag Customer Service check it out.

Call Maytag Customer Service at 1-800-788-8899 for an authorized servicer.

TROUBLESHOOTING

Start Up Conditions

Draft Hood Operation

Check draft hood operation by performing a worst case depressurization of the building. With all doors and windows closed, and with all air handling equipment and exhaust fans operating, such as furnaces, clothes dryers, range hoods and bathroom fans, a match flame should still be drawn into the draft hood of the water heater with its burner firing. If the flame is not drawn toward the draft hood, shut off the water heater and make necessary air supply changes to correct.

Condensation

Whenever the water heater is filled with cold water, some condensate will form while the burner is on. A water heater may appear to be leaking when in fact the water is condensation. This usually happens when:

- A new water heater is filled with cold water for the first time.
- Burning gas produces water vapor in water heaters, particularly high efficiency models where flue temperatures are lower.
- Large amounts of hot water are used in a short time and the refill water in the tank is very cold.

Moisture from the products of combustion condense on the cooler tank surfaces and form drops of water which may fall onto the burner or other hot surfaces to produce a “sizzling” or “frying” noise.

Excessive condensation can cause pilot outage due to water running down the flue tube onto the main burner and putting out the pilot.

Because of the suddenness and amount of water, condensation water may be diagnosed as a “tank leak”. After the water in the tank warms up (about 1-2 hours), the condition should disappear.

Do not assume the water heater is leaking until there has been enough time for the water in the tank to warm up.

An undersized water heater will cause more condensation. The water heater must be sized properly to meet the family’s demands for hot water including dishwashers, washing machines and shower heads.

Excessive condensation may be noticed during the winter and early spring months when incoming water temperatures are at their lowest.

Good venting is essential for a gas fired water heater to operate properly as well as to carry away products of combustion and water vapor.

Smoke / Odor

It is not uncommon to experience a small amount of smoke and odor during the initial start-up. This is due to burning off of oil from metal parts, and will disappear in a short while.

Thermal Expansion

CAUTION

Property Damage Hazard

- Avoid water heater damage.
- Install thermal expansion tank or device if necessary.
- Contact qualified installer or service agency.

Water supply system may, because of such events as high line pressure, frequent cut-offs, the effects of water hammer among others, have installed devices such as pressure reducing valves, check valves, back flow preventers, etc., to control these types of problems. When these devices are not equipped with an internal by-pass, and no other measures are taken, the devices cause the water system to be closed. As water is heated, it expands (thermal expansion) and closed systems do not allow for the expansion of heated water.

The water within the water heater tank expands as it is heated and increases the pressure of the water system. If the relieving point of water heater's temperature-pressure relief valve is reached, the valve will relieve the excess pressure. **The temperature-pressure relief valve is not intended for the constant relief of thermal expansion.** This is an unacceptable condition and must be corrected.

It is recommended that any devices installed which could create a closed system have a by-pass and/or the system have an expansion tank or device to relieve the pressure built by thermal expansion in the water system. Thermal expansion tanks are available for ordering through the Maytag Customer Service Center (1-800-788-8899).Contact the local plumbing inspector, water supplier and/or **call Maytag Customer Service at 1-800-788-8899 for assistance in controlling these situations.**

Strange Sounds

Possible noises due to expansion and contraction of some metal parts during periods of heat-up and cool-down do not represent harmful or dangerous conditions.

Condensation causes sizzling and popping within the burner area during heating and cooling periods and should be considered normal. See *Condensation* section.

Operational Conditions

Smelly Water

In each water heater there is installed at least one anode rod (see parts section) for corrosion protection of the tank. Certain water conditions will cause a reaction between this rod and the water. The most common complaint associated with the anode rod is one of a "rotten egg smell". This odor is derived from hydrogen sulfide gas dissolved in the water. The smell is the result of four factors which must all be present for the odor to develop:

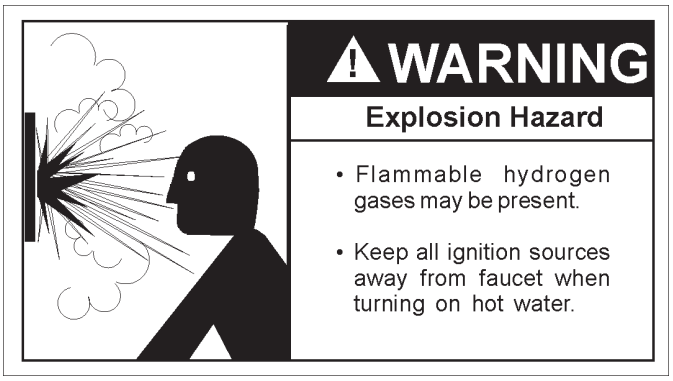
- a concentration of sulfate in the supply water.
- little or no dissolved oxygen in the water.
- a sulfate reducing bacteria within the water heater. (This harmless bacteria is non-toxic to humans.)
- an excess of active hydrogen in the tank. This is caused by the corrosion protective action of the anode.

Smelly water may be eliminated or reduced in some water heater models by replacing the anode(s) with one of less active material, and then chlorinating the water heater tank and all hot water lines. **Contact Maytag Customer Service at 1-800-788-8899 for further information concerning an Anode Replacement Kit and this Chlorination Treatment.**

If the smelly water persists after the anode replacement and chlorination treatment, we can only suggest that chlorination or aeration of the water supply be considered to eliminate the water problem.

Do not remove the anode leaving the tank unprotected. By doing so, all warranty on the water heater tank is voided.

"AIR" In Hot Water Faucets


WARNING
Explosion Hazard
• Flammable hydrogen gases may be present.
• Keep all ignition sources away from faucet when turning on hot water.

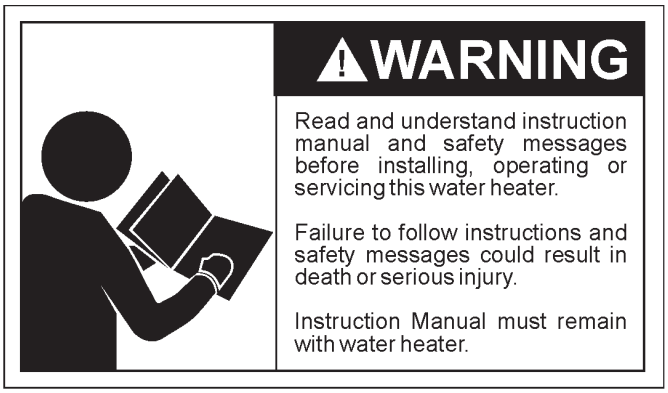
HYDROGEN GAS: Hydrogen gas can be produced in a hot water system that has not been used for a long period of time (generally two weeks or more). Hydrogen gas is extremely flammable and explosive. To prevent the possibility of injury under these conditions, we recommend the hot water faucet, located farthest away, be opened for several minutes before any electrical appliances which are connected to the hot water system are used (such as a dishwasher or washing machine). If hydrogen gas is present, there will probably be an unusual sound similar to air escaping through the pipe as the hot water faucet is opened. There must be no smoking or open flame near the faucet at the time it is open.

High Temperature Shut-Off System

This water heater is equipped with an automatic gas Shut-off system. This system works when high water temperatures are present. The high temperature Shut-off is built into the gas control valve. It is non-resettable. If the high temperature shut-off activates, the gas control valve must be replaced.

Turn “OFF” the entire gas supply to the water heater. **Call Maytag Customer Service at 1-800-788-8899 for an authorized servicer.**

Leakage Checkpoints


WARNING
Read and understand instruction manual and safety messages before installing, operating or servicing this water heater.
Failure to follow instructions and safety messages could result in death or serious injury.
Instruction Manual must remain with water heater.

Read this manual first. Then before checking the water heater make sure the gas supply has been turned “OFF”, and never turn the gas “ON” before the tank is completely full of water.

Never use this water heater unless it is completely filled with water. To prevent damage to the tank, the tank must be filled with water. Water must flow from the hot water faucet before turning “ON” gas to the water heater, see Figure 28.

A. Water at the draft hood is water vapor which has condensed out of the combustion products. This is caused by a problem in the vent. **Call Maytag Customer Service at 1-800-788-8899 for an authorized servicer.**

B. *Condensation may be seen on pipes in humid weather or pipe connections may be leaking.

C. *The anode rod fitting may be leaking.

D. Small amounts of water from the temperature-pressure relief valve may be due to thermal expansion or high water pressure in your area.

E. *The temperature-pressure relief valve may be leaking at the tank fitting.

F. Water from a drain valve may be due to the valve being slightly opened.

G. *The drain valve may be leaking at the tank fitting.

H. Combustion products contain water vapor which can condense on the cooler surfaces of the tank. Droplets form and drip onto the burner or run on the floor. This is common at the time of start-up after installation and when incoming water is cold.

I. Water in the water heater bottom or on the floor may be from condensation, loose connections, or the relief valve. DO NOT replace the water heater until a full inspection of all possible water sources is made and necessary corrective steps taken.

Leakage from other appliances, water lines, or ground seepage should also be checked.

* To check where threaded portion enters tank, insert cotton swab between jacket opening and fitting. If cotton is wet, follow “Draining” instructions in the *Service and Maintenance* section and then remove fitting. Put pipe dope or teflon tape on the threads and replace. Then follow *Filling the Water Heater* instructions in the *Locating and Installing the New Water Heater* section.

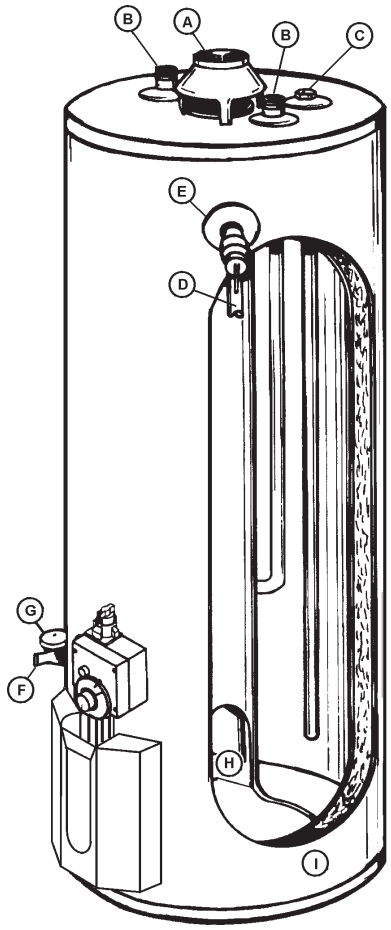


FIGURE 28.

TROUBLESHOOTING GUIDE

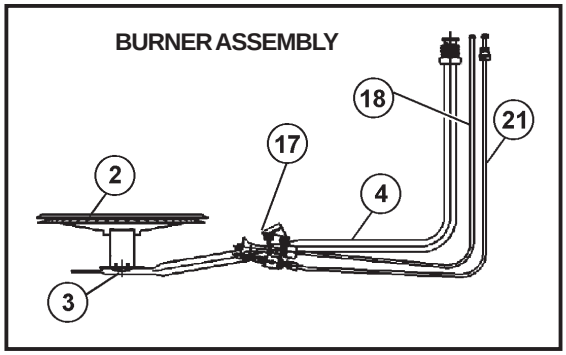
These guidelines should be used by a qualified Maytag Customer Service Center Agent. Call the Maytag Customer Service Center at 1-800-788-8899 for assistance.

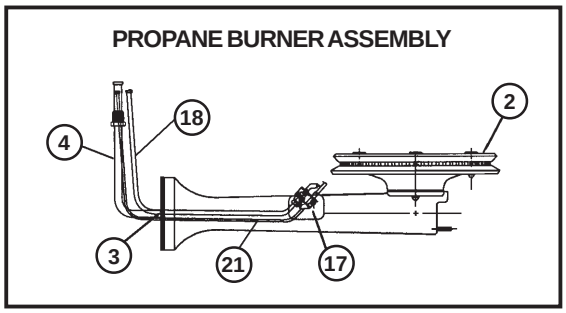
Problem	Cause	Solution
WATER LEAKS	Improperly sealed, hot or cold supply connection, relief valve, drain valve, or thermostat threads.	Tighten threaded connections.
	Leakage from other appliances or water lines.	Inspect other appliances near water heater.
	Condensation of flue products.	Refer to CONDENSATION.
LEAKING T&P VALVE	Thermal expansion in closed water system.	Install thermal expansion tank (DO NOT plug T&P valve).
	Improperly seated valve.	Check relief valve for proper operation (DO NOT plug T&P valve).
SMELLY WATER	High sulfate or mineral content in water supply.	Drain and flush heater thoroughly, then refill.
	Bacteria in water supply.	Chlorinate or aerate water supply.
PILOT WILL NOT LIGHT	Gas control knob not positioned correctly.	Refer to LIGHTING INSTRUCTIONS.
	Main gas supply off.	Turn on main gas shut-off valve.
	Thermocouple malfunction.	Replace pilot assembly and/or thermocouple.
	Match not to close to pilot.	Locate pilot, move match closer.
BURNER WILL NOT STAY LIT	Thermocouple malfunction.	Replace pilot assembly and/or thermocouple.
	Defective Gas Control.	Replace Gas Control.
PILOT OUTAGE	Dirty pilot burner.	Clean pilot assembly.
	Thermocouple tip is not in contact with pilot flame.	Insert thermocouple correctly.
	Thermocouple malfunction.	Replace pilot assembly and/or thermocouple.
	Defective Gas Control.	Replace Gas Control.
NOT ENOUGH HOT WATER	Heater not lit or thermostat not on.	Refer to LIGHTING INSTRUCTIONS.
	Thermostat set too low.	Refer to TEMPERATURE REGULATION.
	Heater undersized.	Reduce hot water use.
	Low gas pressure.	Contact your gas supplier.
	Incoming water is unusually cold.	Allow more time for heater to re-heat.
	Leaking hot water pipes or fixtures.	Have plumber check and repair leaks.
	High temperature limit switch activated.	Contact a Maytag Customer Service Agent to determine cause.
WATER TOO HOT	Thermostat set too high.	Refer to TEMPERATURE REGULATION.
WATER HEATER SOUNDS	Condensation dripping on burner.	Refer to CONDENSATION.
SIZZLING - RUMBLING	Sediment or calcium in bottom of heater tank.	Clean sediment from tank. Refer to DRAINING instructions in Maintenance section of manual.
SOOTING	Improper combustion.	No adjustment available. Contact a Maytag Customer Service Agent to determine cause.
VENT GAS ODORS	Lack of supply air.	Contact a Maytag Customer Service Agent to determine cause.
	Improperly installed vent piping.	
	Downdraft.	
	Poor combustion.	

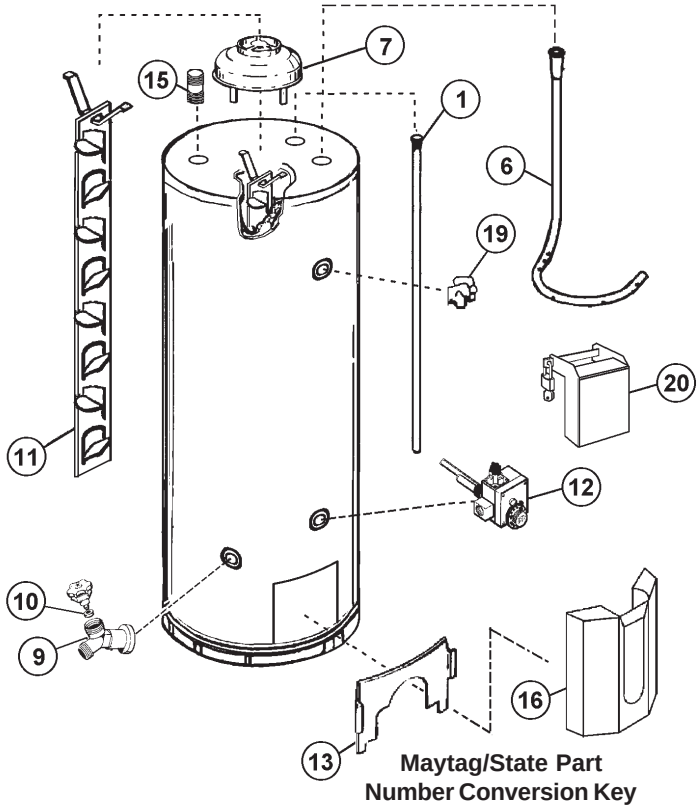
REPAIR PARTS LIST

MAYTAG GAS WATER HEATERS

MODEL NO'S	
HRX75XQRS	75 Gallon Natural Gas
HRX75CQRS	75 Gallon Propane Gas







Key No.	Part Description	Model Number HRX75XQRS	Model Number HRX75CQRS
1	Anode Rod	66001109	66001109
2	Burner Head	66001359	66001834
3	Burner Orifice - Std.	66001689 (#21)	66001841 (#38)
4	Burner Tube	66001690	66001846
*5	Compression Fitting	66001837	66001837
6	Dip Tube	66001683	66001683
7	Draft Hood	66001678	66001678
*8	Draft Hood Bracket	66001679	66001679
9	Drain Valve	66001015	66001015
10	Drain Valve Washer	66001021	66001021
11	Flue Baffle	66001677	66001849
12	Gas Control Valve	66001680	66001773
13	Inner Door	66001692	66001692
*14	Instruction Manual	66001855	66001855
15	Nipple (Hot Outlet)	66001684	66001684
16	Outer Door	66001190	66001190
17	Pilot Ass'y - Std. w/Compression Fitting	66001691	66001848
18	Pilot Tube	66001845	66001845
19	T & P Relief Valve	66001682	66001682
20	Thermostat Shield (Optional)	66001667	66001667
21	Thermocouple	66001843	66001847

* Not Shown.

Maytag/State Part Number Conversion Key

MAYTAG	STATE
66001015	9002401
66001021	9001584
66001109	9001830
66001190	9000358
66001359	9003040
66001667	9003696
66001677	9003736
66001678	9003737
66001679	9003738
66001680	9003739
66001682	9003741
66001683	9003742
66001684	9003743
66001689	9003732
66001690	9003733
66001691	9003734
66001692	9003735
66001773	9003656
66001834	9004089
66001837	9004106
66001841	9004105
66001843	9003923
66001845	9003925
66001846	9004229
66001847	9004094
66001848	9004231
66001849	9004096
66001855	196300-001

Now that you have purchased this gas water heater, should a need ever exist for repair parts or service, simply **call Maytag Customer Service at 1-800-788-8899 for an authorized servicer.** Be sure to provide all pertinent facts when you call or visit.

THIS IS A REPAIR PARTS LIST, NOT A PACKING LIST.

The model number of this gas water heater will be found on the model rating plate located near the gas control valve.

When ordering repair parts, always give the following information:

- Model number
- Serial Number
- Part Description
- Part Number

NOTES

NOTES

NOTES

WARRANTY

FULL ONE YEAR WARRANTY

For one year from the date of original retail purchase, any part which fails in normal home use will be repaired or replaced free of charge.

If a leak occurs in the tank, a new water heater of the closest capacity and quality then available, will be replaced free of charge.

The warranty of the replacement is the balance of the original water heater's warranty.

LIMITED PARTS WARRANTY

After the first year and through the tenth year from the date of original retail purchase, any parts which fail due to a defect in materials or workmanship, will be replaced or repaired free of charge for the part itself, with the owner paying all other costs, including labor, mileage and transportation.

If the water heater is subjected to commercial, institutional, industrial or non-residential use, the above warranty coverage for parts that are proved to be defective in material or workmanship is effective for one year from the date of the original retail purchase.

The warranty of the replacement is the balance of the original water heater's warranty, or twelve months from the date of the part(s) purchase, whichever comes first.

This warranty is limited to the original owner of the water heater.

LIMITED TANK WARRANTY AGAINST LEAKS

After the first year and through the tenth year from the date of original retail purchase, if a leak occurs in the tank, a new water heater of the closest capacity and quality then available, will be replaced free of charge for the water heater, with the owner paying all other costs, including labor, mileage and transportation.

If the water heater is subjected to commercial, institutional, industrial or non-residential use, the above warranty coverage for the tanks that are proved to be defective in material or workmanship is effective for two years from the date of the original retail purchase.

The warranty of the replacement is the balance of the original water heater's warranty.

Please note: The full and limited warranty applies only while this water heater is used in the United States of America.

This warranty is limited to the original owner of the water heater.

TO RECEIVE WARRANTY SERVICE

To locate an authorized service company in your area contact the Maytag dealer from whom your appliance was purchased; or call a Maytag Customer Service at the number listed below. Should you not receive satisfactory warranty service, please call or write:

Maytag Customer Service
P.O. Box 2370
Cleveland, TN 37320-2370
U.S.A. 1-800-788-8899

When contacting Maytag Customer Service be sure to provide the model and serial number of your appliance, the name and address of the dealer from whom you purchased the appliance and the date of purchase.

MAYTAG WATER HEATERS ARE MANUFACTURED AND THIS WARRANTY IS PROVIDED BY STATE INDUSTRIES, INC., ASHLAND CITY, TN. MAYTAG IS A TRADEMARK OF THE MAYTAG CORPORATION AND IS USED UNDER LICENSE TO STATE INDUSTRIES, INC.